LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-3(13-15)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP003384.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.181	383	390	417	rBV	1829480	2747183	12.83%	1.002%
2	6.769	653	660	673	rBV	1627306	2675489	12.49%	0.975%
3	7.563	788	795	806	rBV	570137	881550	4.12%	0.321%
4	8.716	975	991	1002	rBV	1125903	1971815	9.21%	0.719%
5	10.340	1258	1267	1271	rBV	800530	1391788	6.50%	0.507%
6	10.393	1271	1276	1286	rVB	1304435	2176931	10.16%	0.794%
7	11.798	1507	1515	1522	rBV2	245077	445313	2.08%	0.162%
8	12.016	1543	1552	1561	rVB	751064	1283965	5.99%	0.468%
9	12.240	1584	1590	1601	rVB	496075	797825	3.72%	0.291%
10	12.834	1684	1691	1699	rVB	2625655	3786553	17.68%	1.381%
11	13.057	1722	1729	1737	rBV2	274225	692244	3.23%	0.252%
12	13.375	1778	1783	1785	rBV	248669	371260	1.73%	0.135%
13	13.540	1805	1811	1816	rBV	423462	720101	3.36%	0.263%
14	13.592	1816	1820	1825	rVB	295875	424176	1.98%	0.155%
15	13.934	1873	1878	1888	rVB	912554	1417308	6.62%	0.517%
16	14.145	1909	1914	1918	rBV	270257	362370	1.69%	0.132%
17	14.216	1918	1926	1931	rVV2	861251	1530904	7.15%	0.558%
18	14.281	1931	1937	1946	rVV	1596960	2476792	11.56%	0.903%
19	14.622	1989	1995	2003	rVV	1278945	2075233	9.69%	0.757%
20	15.016	2055	2062	2065	rBV2	194622	375968	1.76%	0.137%
21	15.098	2072	2076	2081	rBV2	317273	400785	1.87%	0.146%
22	15.275	2100	2106	2111	rBV2	2102147	3070642	14.34%	1.120%
23	15.434	2130	2133	2138	rVV	295287	433022	2.02%	0.158%
24	15.516	2144	2147	2151	rVV3	288010	466798	2.18%	0.170%
25	15.569	2151	2156	2167	rVB	521551	920082	4.30%	0.335%
26	15.716	2176	2181	2189	rVB	1827218	2970458	13.87%	1.083%
27	15.963	2216	2223	2226	rBV4	437739	699742	3.27%	0.255%
28	16.281	2270	2277	2282	rBV2	380043	716772	3.35%	0.261%
29	16.633	2332	2337	2344	rVV	600211	966357	4.51%	0.352%
30	16.716	2346	2351	2356	rVV3	326037	716433	3.34%	0.261%
31	16.792	2360	2364	2375	rVB	875810	1547839	7.23%	0.564%
32	16.975	2390	2395	2398	rBV	760570	1221828	5.70%	0.445%
33	17.028	2398	2404	2409	rVV	9469479	15905929	74.26%	5.799%
34	17.110	2413	2418	2424	rVV	4028766	5785525	27.01%	2.109%
35	17.169	2424	2428	2434	rVV2	431939	692880	3.23%	0.253%
36	17.351	2454	2459	2460	rBV	318279	384156	1.79%	0.140%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-3(13-15)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.381	2460	2464	2469	rVV	1571410	2178073	10.17%	0.794%
38	17.498	2480	2484	2489	rVV3	471711	631833	2.95%	0.230%
39	17.557	2490	2494	2504	rVV3	339925	566209	2.64%	0.206%
40	17.851	2538	2544	2548	rVV	1738976	2494733	11.65%	0.910%
41	17.898	2548	2552	2559	rVB	2552566	3294947	15.38%	1.201%
42	17.975	2560	2565	2570	rBV	1098852	1567601	7.32%	0.572%
43	18.039	2570	2576	2580	rVV2	2845812	4931748	23.02%	1.798%
44	18.075	2580	2582	2589	rVB	1215697	1413842	6.60%	0.515%
45	18.186	2597	2601	2606	rVV3	302705	423006	1.97%	0.154%
46	18.339	2622	2627	2631	rVV	1310000	1802733	8.42%	0.657%
47	18.386	2631	2635	2640	rVB2	725835	1042247	4.87%	0.380%
48	18.580	2664	2668	2672	rVB	411325	529659	2.47%	0.193%
49	18.628	2672	2676	2679	rVV	463876	527916	2.46%	0.192%
50	18.669	2679	2683	2687	rVB	415649	543778	2.54%	0.198%
51	18.745	2691	2696	2700	rBV	1009004	1622955	7.58%	0.592%
52	18.810	2701	2707	2710	rVV3	728586	1457915	6.81%	0.532%
53	18.839	2710	2712	2715	rVV	385355	371495	1.73%	0.135%
54	18.886	2715	2720	2727	rVB2	796442	1454851	6.79%	0.530%
55	19.016	2734	2742	2747	rBV	11440485	19885876	92.84%	7.250%
56	19.098	2753	2756	2761	rVB2	481209	598047	2.79%	0.218%
57	19.145	2761	2764	2768	rVB	496209	629126	2.94%	0.229%
58	19.233	2768	2779	2784	rBV2	750301	1892797	8.84%	0.690%
59	19.369	2791	2802	2808	rBV2	10008545	21419585	100.00%	7.809%
60	19.427	2808	2812	2819	rVB2	772776	1311383	6.12%	0.478%
61	19.557	2825	2834	2837	rBV2	3553893	5886151	27.48%	2.146%
62	19.592	2837	2840	2845	rVB	1285484	1683892	7.86%	0.614%
63	19.669	2848	2853	2854	rBV2	1049617	1395694	6.52%	0.509%
64	19.722	2860	2862	2866	rVB	431371	467214	2.18%	0.170%
65	19.804	2871	2876	2878	rVV3	982922	1561427	7.29%	0.569%
66	19.845	2878	2883	2887	rVB	2903494	4113738	19.21%	1.500%
67	19.939	2894	2899	2903	rBV	2669436	3331897	15.56%	1.215%
68	19.998	2903	2909	2912	rVV2	1591088	2842119	13.27%	1.036%
69	20.027	2912	2914	2919	rVB2	511106	630179	2.94%	0.230%
70	20.074	2919	2922	2926	rBV2	360187	466385	2.18%	0.170%
71	20.127	2928	2931	2935	rVV	786451	993479	4.64%	0.362%
72	20.174	2935	2939	2943	rVB2	978548	1275044	5.95%	0.465%
73	20.445	2983	2985	2989	rVB2	532510	629812	2.94%	0.230%
74	20.533	2996	3000	3003	rBV	481194	756973	3.53%	0.276%
75	20.574	3003	3007	3013	rVB	1316566	1796408	8.39%	0.655%
76	20.727	3028	3033	3037	rBV3	1722329	2761118	12.89%	1.007%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-3(13-15)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.769	3037	3040	3043	rVV	1740741	2111455	9.86%	0.770%
78	20.810	3043	3047	3052	rVV2	1928758	3485755	16.27%	1.271%
79	20.869	3053	3057	3066	rVB	1410043	2031816	9.49%	0.741%
80	21.074	3083	3092	3096	rBV3	8115178	15193545	70.93%	5.539%
81	21.121	3096	3100	3108	rVB	6673368	10270388	47.95%	3.744%
82	21.233	3115	3119	3124	rBV	1950140	2474607	11.55%	0.902%
83	21.286	3125	3128	3130	rVV3	510308	714163	3.33%	0.260%
84	21.333	3134	3136	3140	rVB	1051385	1246134	5.82%	0.454%
85	21.386	3140	3145	3150	rBV2	1536381	2238152	10.45%	0.816%
86	21.563	3171	3175	3178	rBV2	802811	1123804	5.25%	0.410%
87	21.616	3179	3184	3188	rVV	1774907	3020316	14.10%	1.101%
88	21.669	3190	3193	3199	rVB	893425	1209857	5.65%	0.441%
89	21.769	3207	3210	3214	rVB2	722751	944587	4.41%	0.344%
90	21.810	3214	3217	3220	rBV	861020	1103675	5.15%	0.402%
91	21.904	3229	3233	3238	rVB2	802497	1169315	5.46%	0.426%
92	22.104	3263	3267	3271	rBV5	544222	946578	4.42%	0.345%
93	22.380	3310	3314	3320	rVB2	713763	1152756	5.38%	0.420%
94	22.639	3350	3358	3362	rBV	5238473	13079816	61.06%	4.769%
95	22.798	3380	3385	3390	rVB	1653998	2532978	11.83%	0.923%
96	23.104	3431	3437	3445	rVB	3354828	7580051	35.39%	2.764%
97	23.204	3446	3454	3461	rVV	4919798	10304241	48.11%	3.757%
98	23.339	3472	3477	3485	rVB2	2115072	4250807	19.85%	1.550%
99	25.551	3843	3853	3861	rVB2	2956663	9459935	44.16%	3.449%
100	26.239	3960	3970	3986	rVB	2363039	7947774	37.11%	2.898%

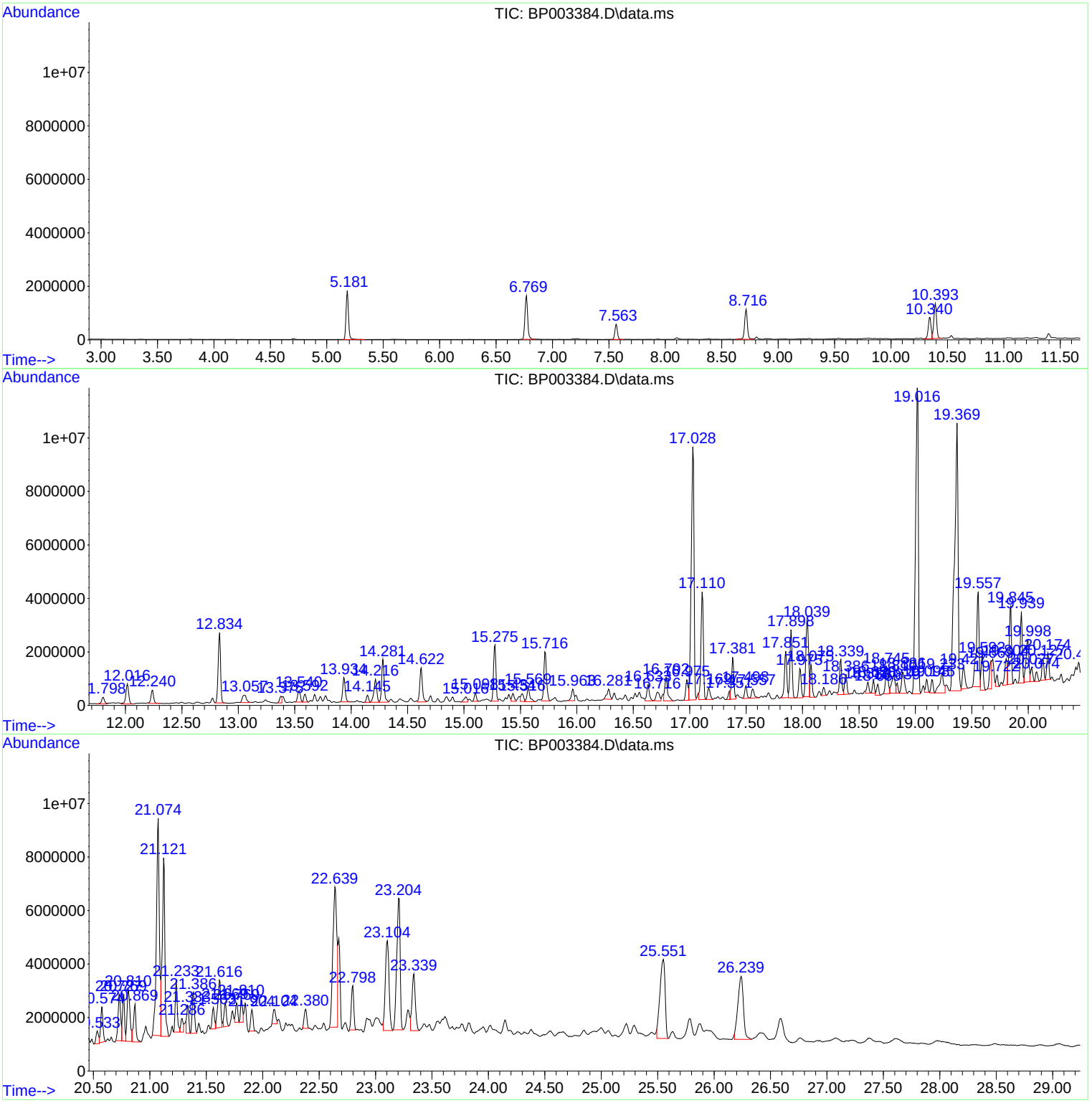
Sum of corrected areas: 274280406

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

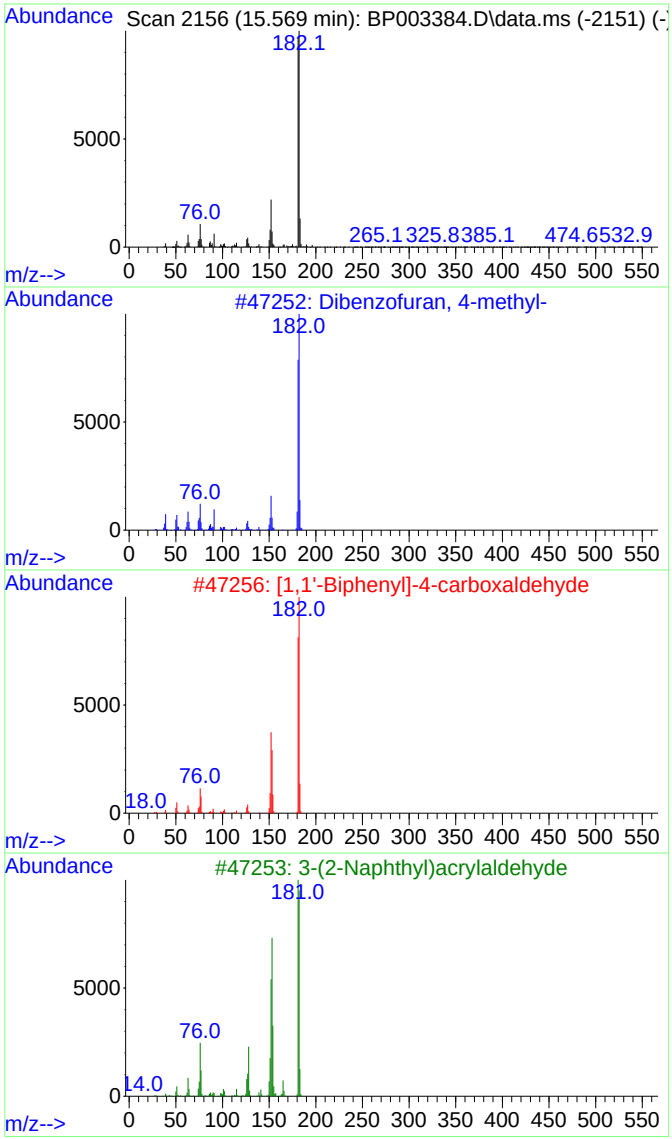
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

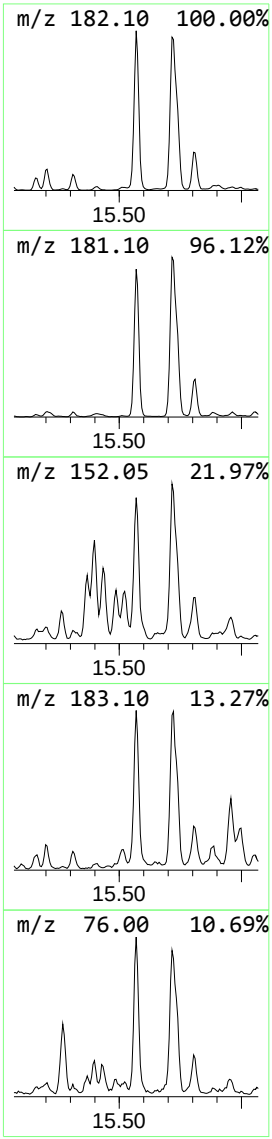
****

Peak Number 1 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.569	12.02 ng	920082	Acenaphthene-d10	14.216

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
3	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
4	9H-Xanthene	182	C13H10O	000092-83-1	64
5	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3(13-15)

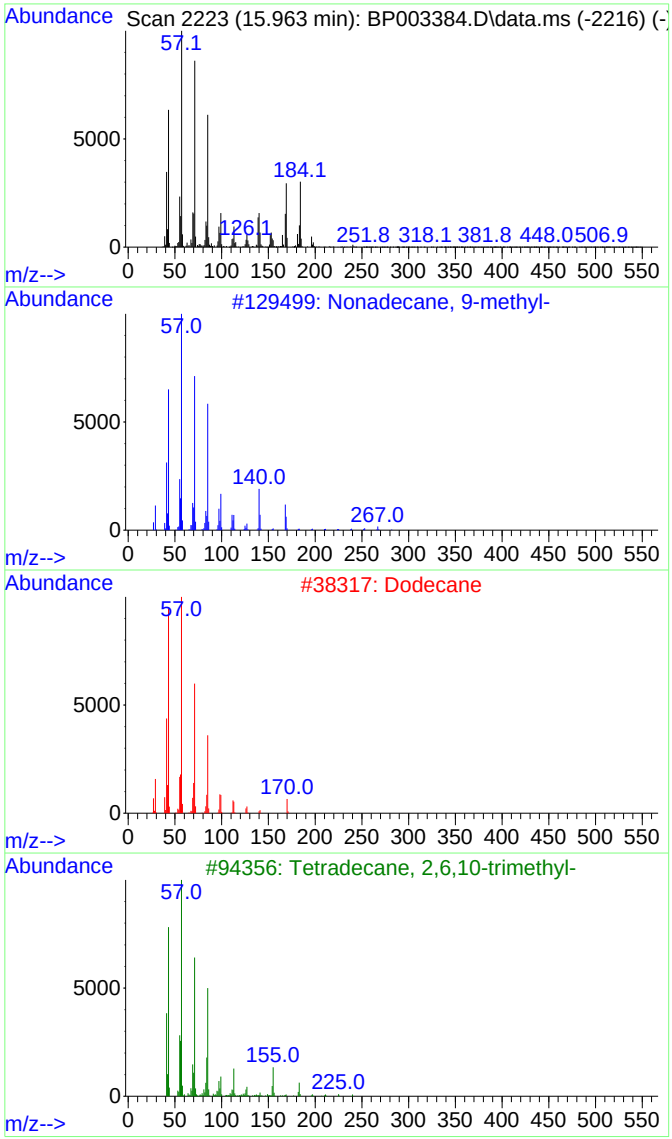
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

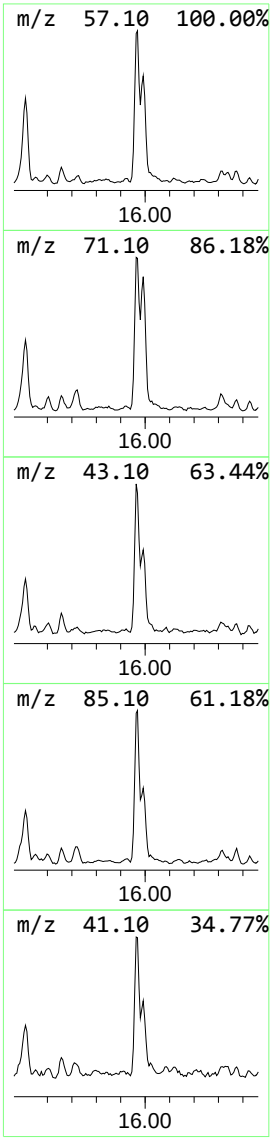
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Nonadecane, 9-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.963	11.45 ng	699742	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	62
2	Dodecane	170	C12H26	000112-40-3	60
3	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	60
4	Hexacosane	366	C26H54	000630-01-3	60
5	Tridecane	184	C13H28	000629-50-5	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3(13-15)

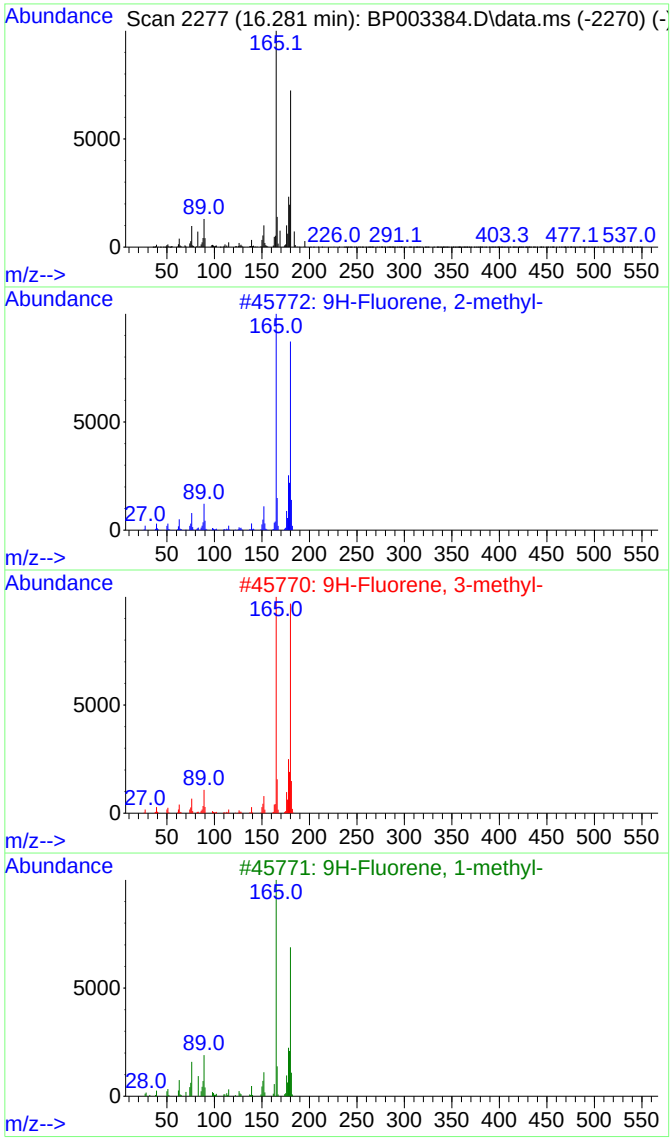
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

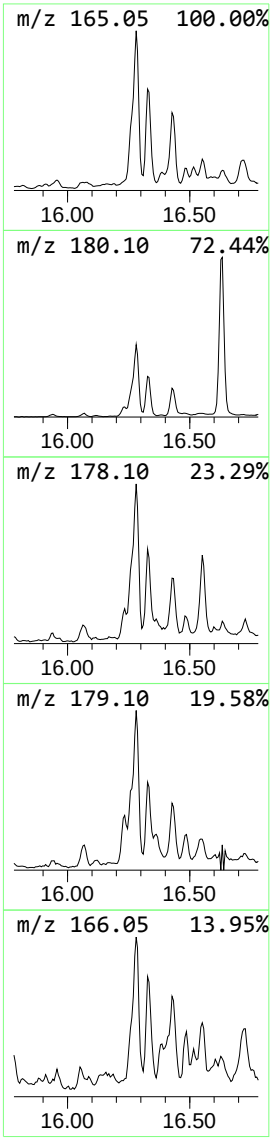
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.281	11.73 ng	716772	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

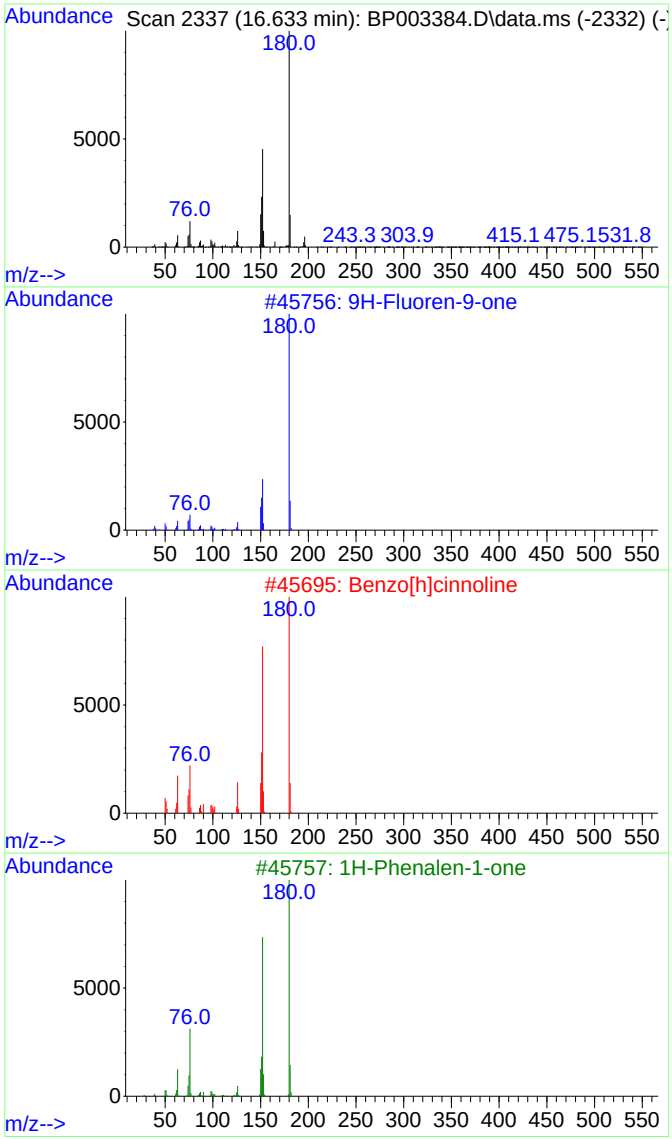
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

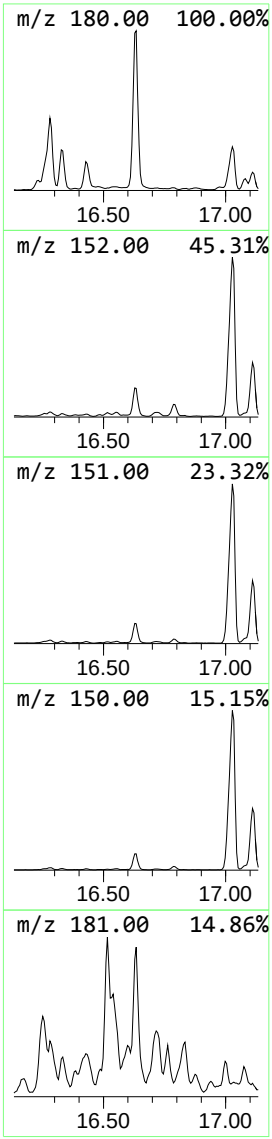
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.634	15.82 ng	966357	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
4	5-Methoxy-4-methyl-2,1,3-benzoth...	180	C8H8N2OS	089976-68-1	47
5	2,4-Diazaphenanthrene	180	C12H8N2	000230-28-4	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-3(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

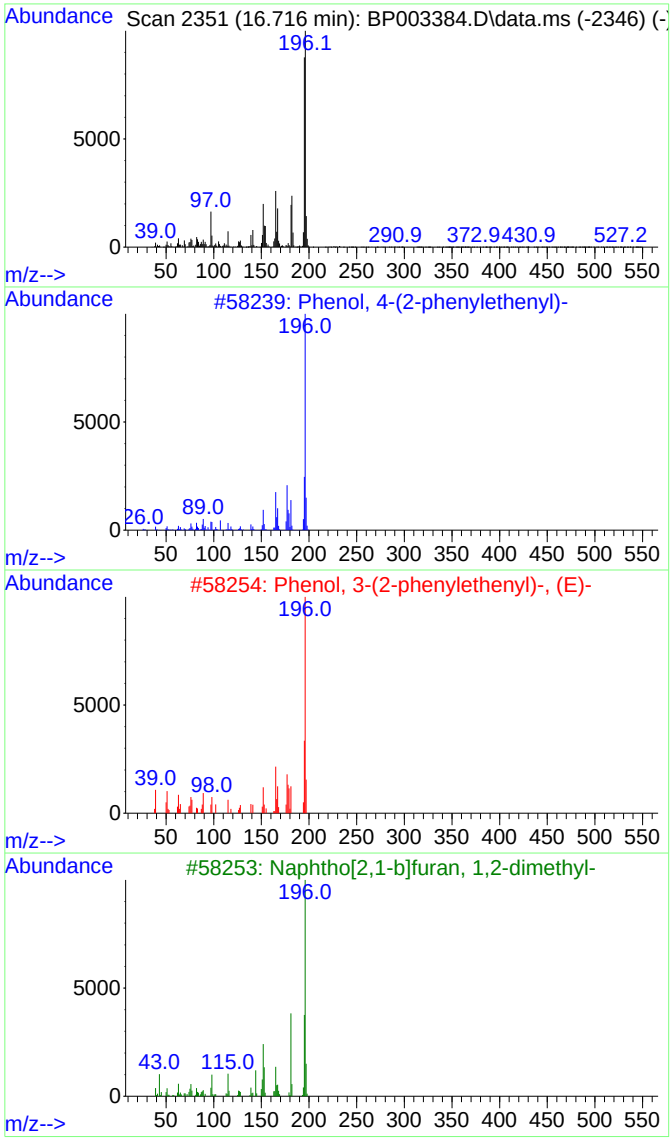
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

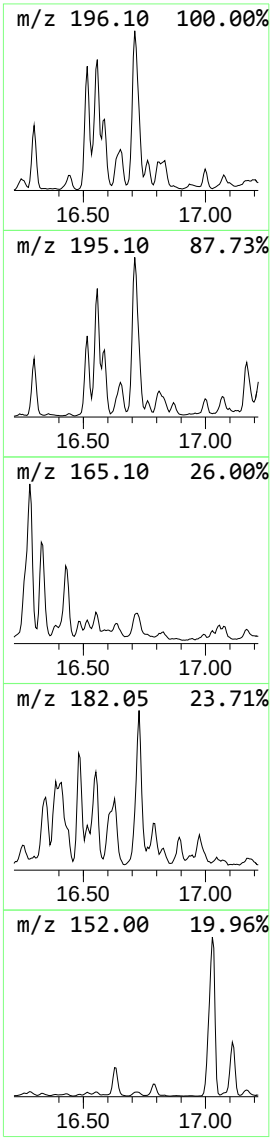
****

Peak Number 5 unknown16.71 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.716	11.73 ng	716433	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
3	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	46
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	46
5	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

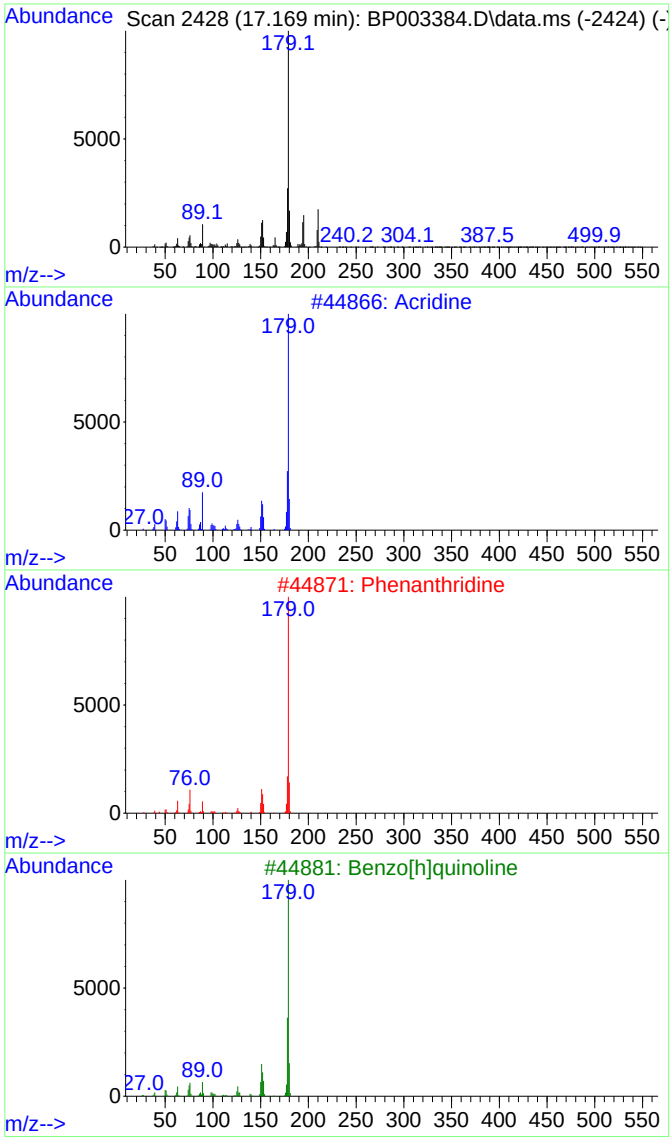
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

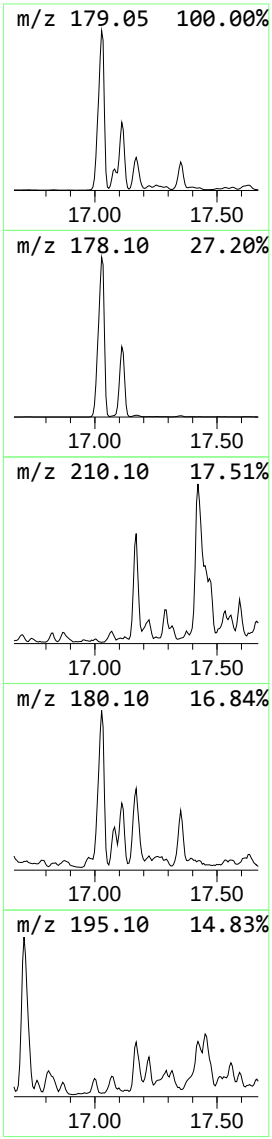
****

Peak Number 7 Acridine Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.169	11.34 ng	692880	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	95
2	Phenanthridine	179	C13H9N	000229-87-8	89
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	89
4	Benzo[f]quinoline	179	C13H9N	000085-02-9	89
5	Benzo[h]isoquinoline	179	C13H9N	000229-71-0	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

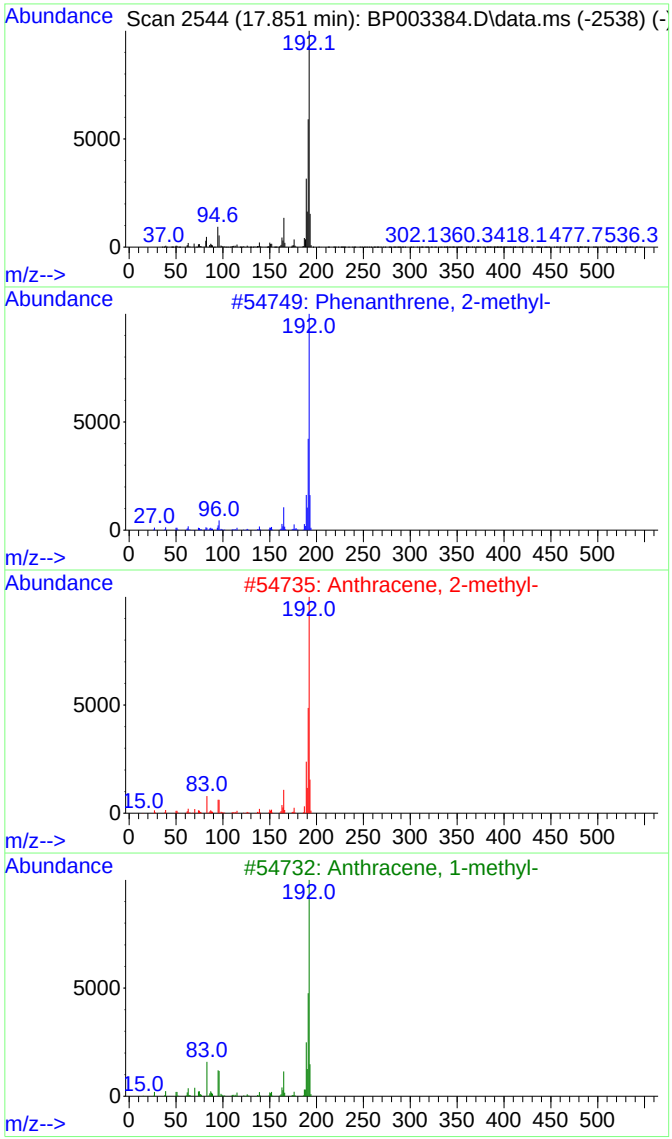
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

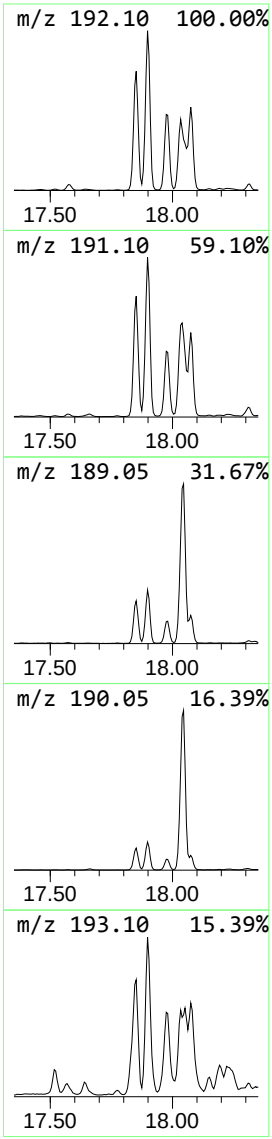
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.851	40.84 ng	2494730	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3(13-15)

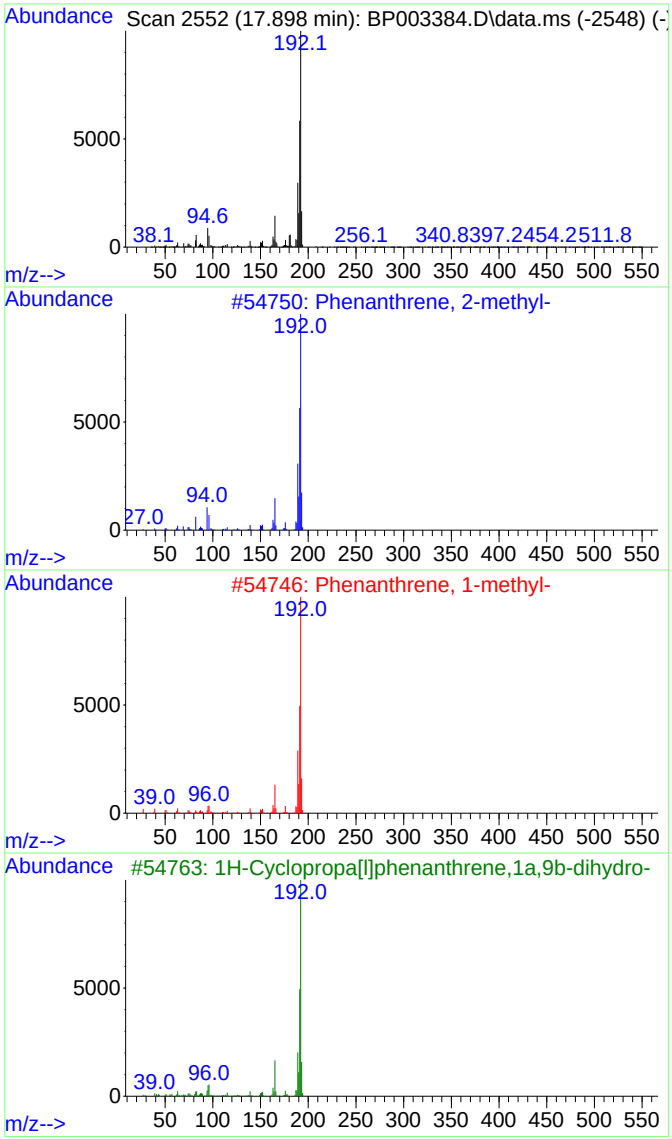
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

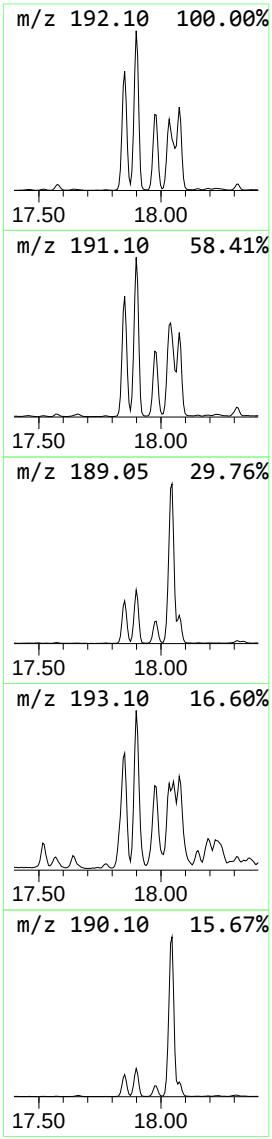
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.898	53.93 ng	3294950	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3(13-15)

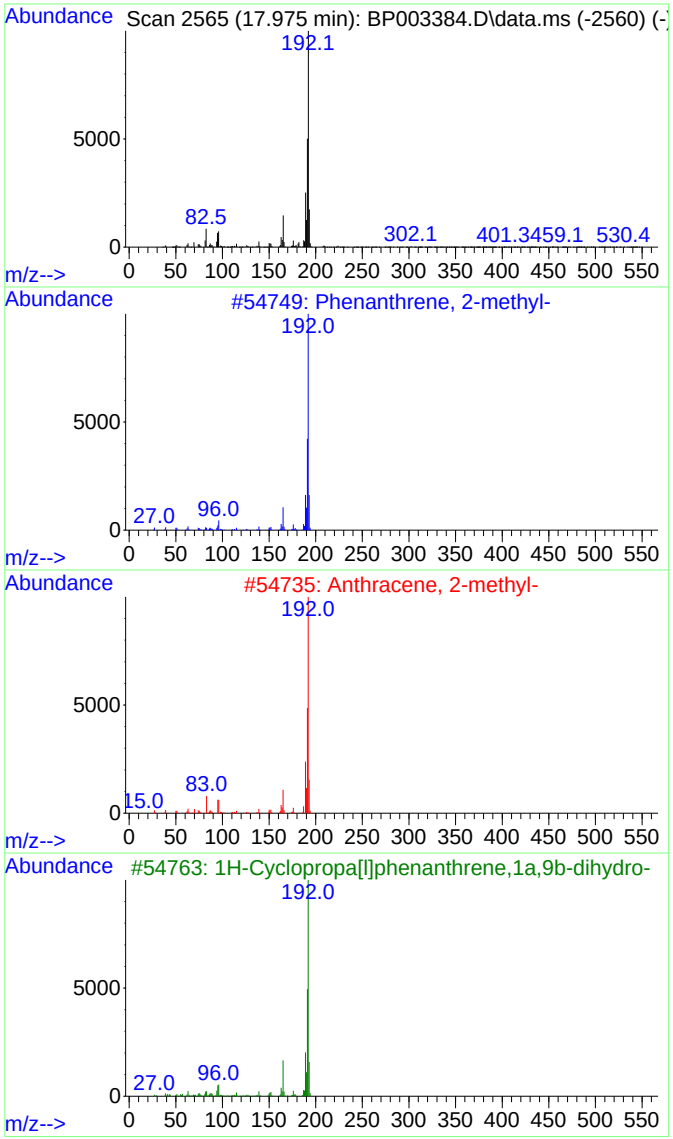
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

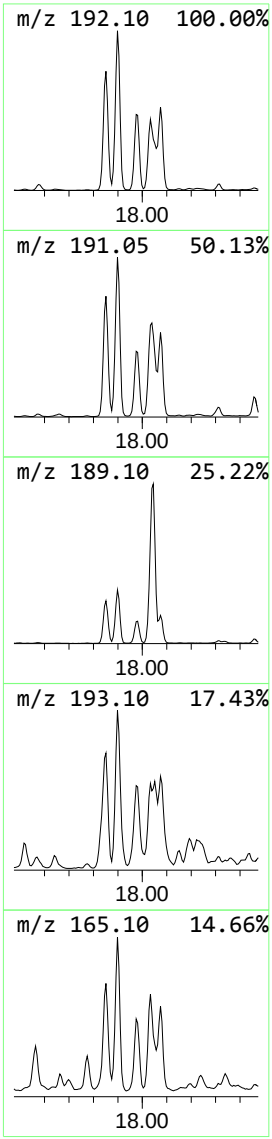
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.975	25.66 ng	1567600	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3(13-15)

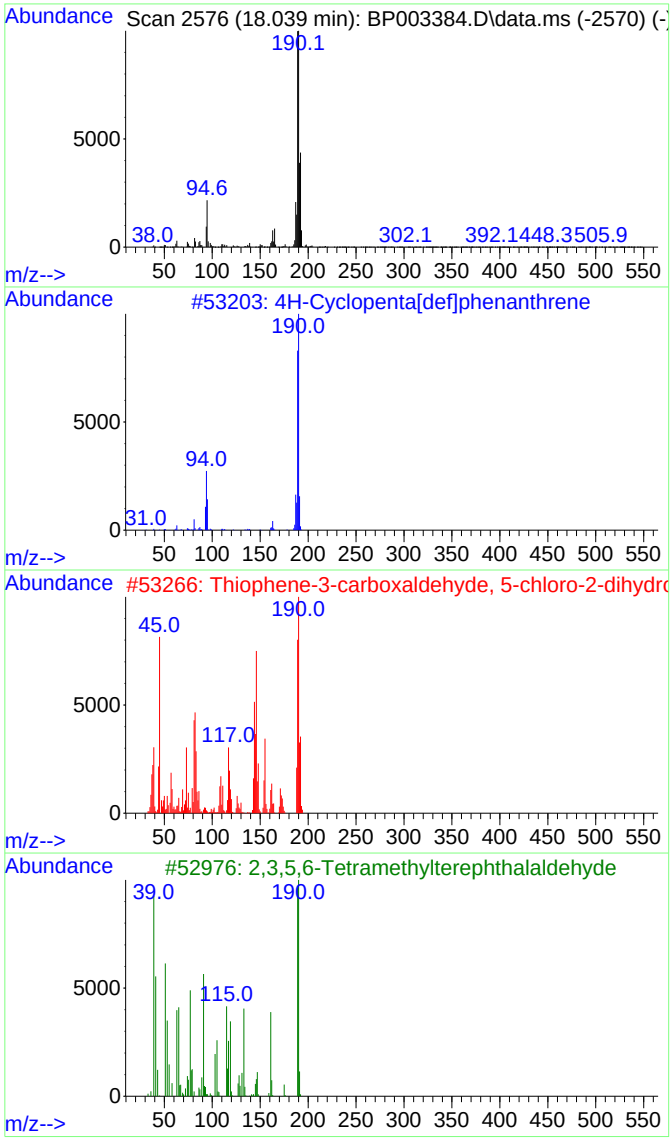
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

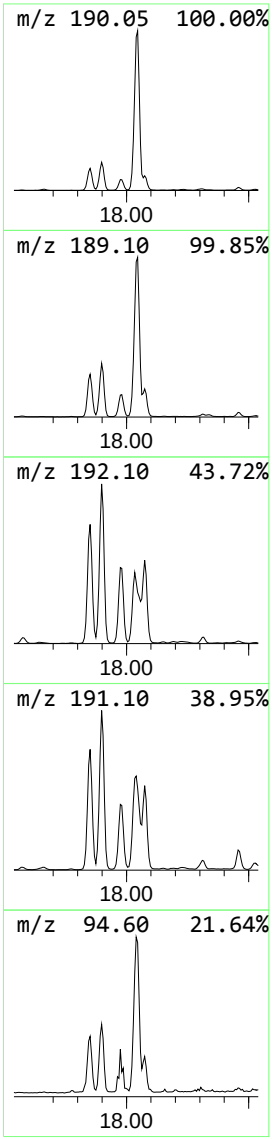
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.039	80.73 ng	4931750	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

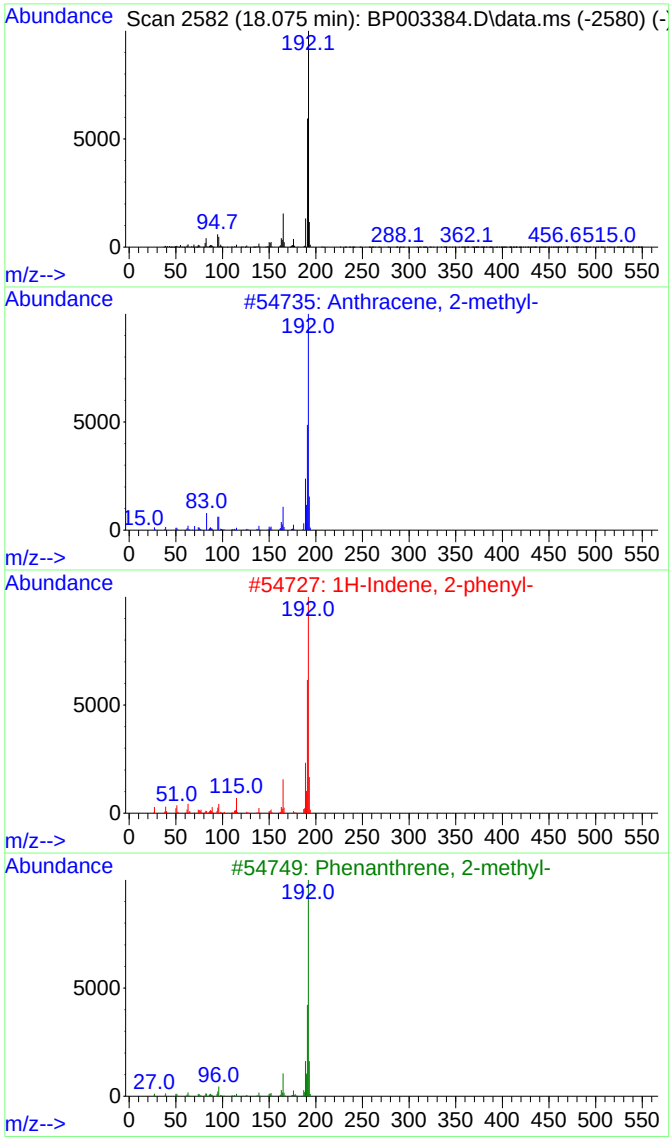
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

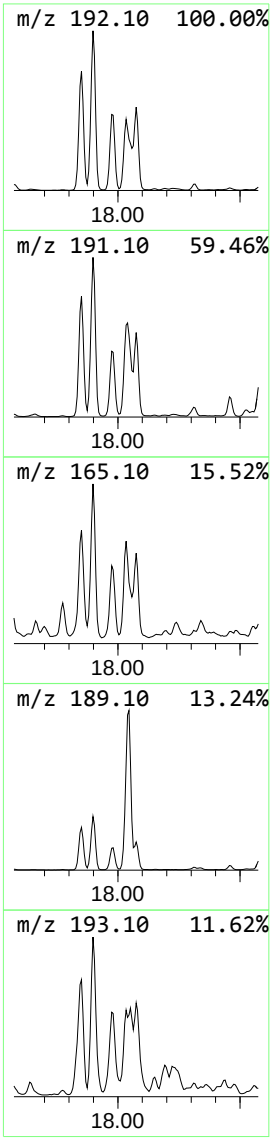
****

Peak Number 12 1H-Indene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.075	23.14 ng	1413840	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3(13-15)

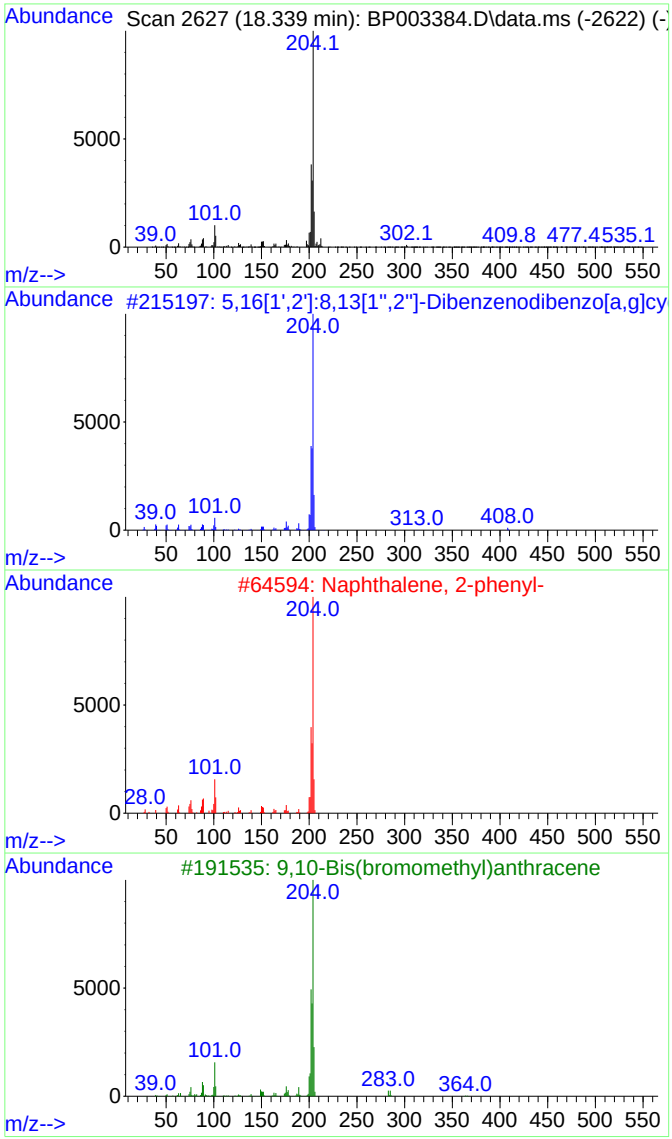
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

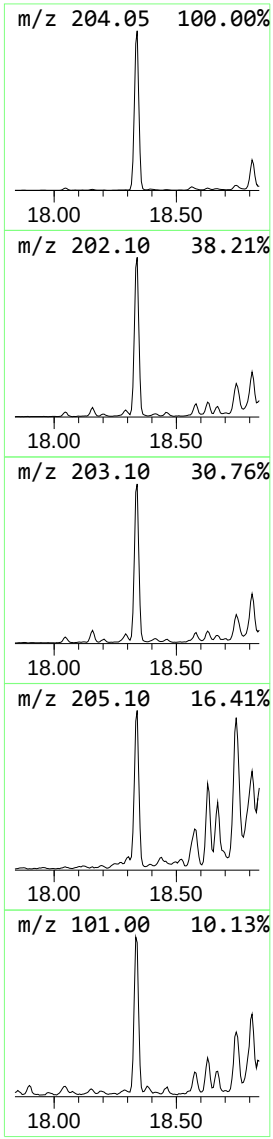
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.339	29.51 ng	1802730	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

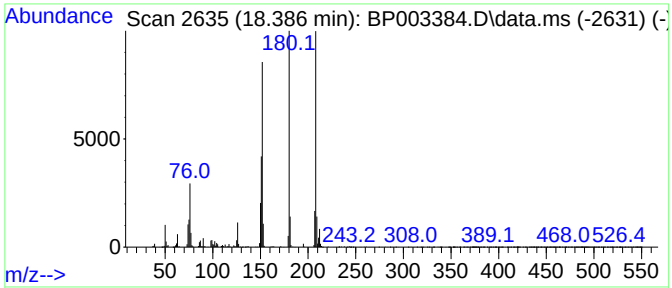
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

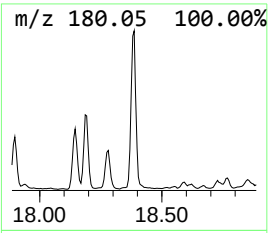
****

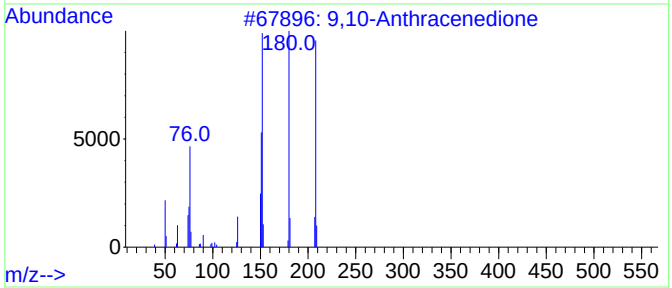
Peak Number 14 9,10-Anthracenedione Concentration Rank 13

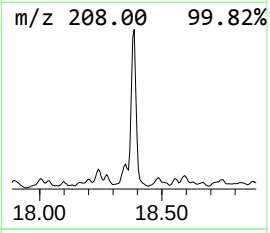
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.386	17.06 ng	1042250	Phenanthrene-d10	16.975

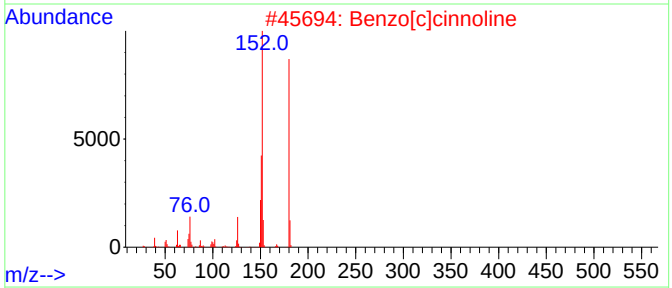
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53

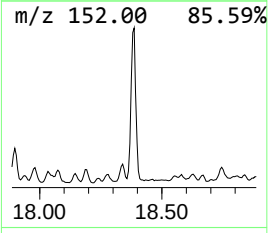


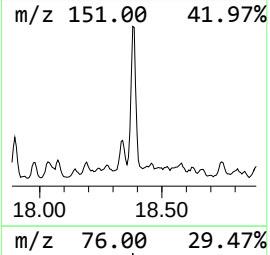


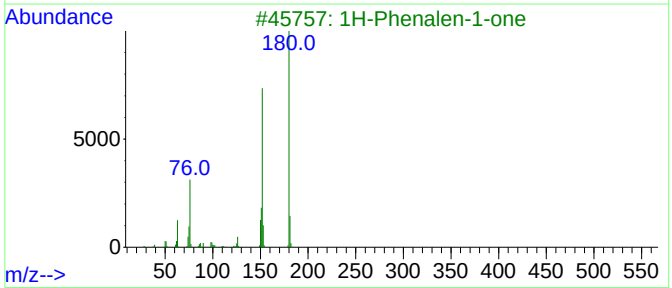


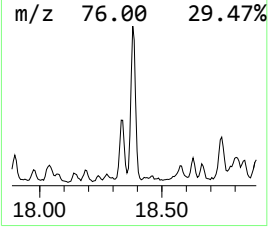












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

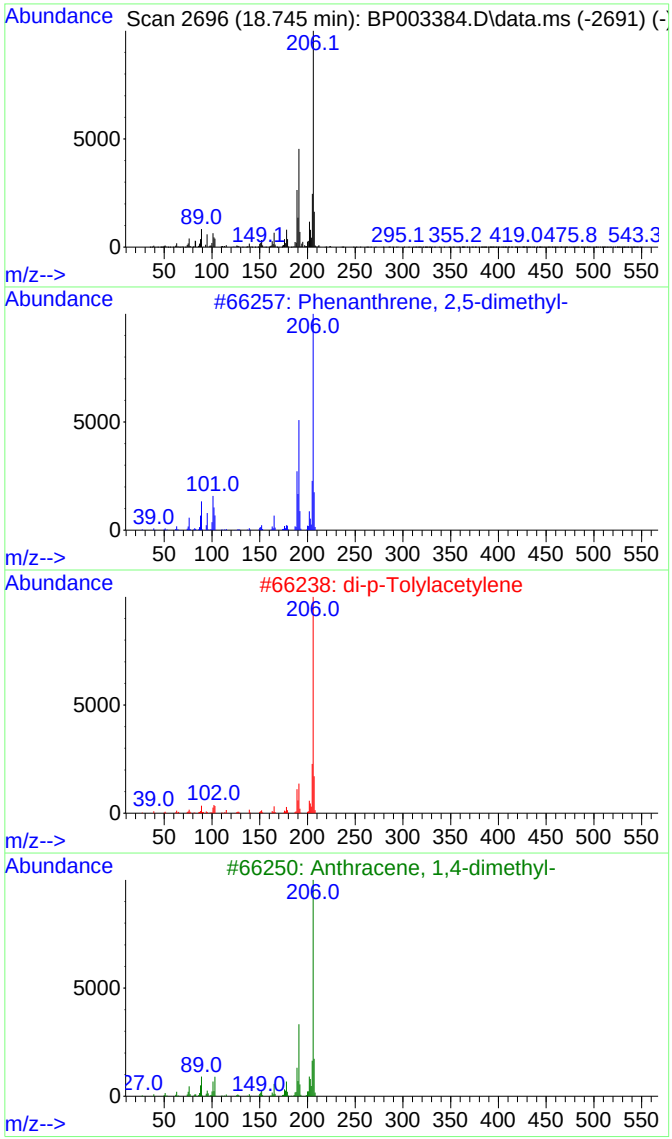
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

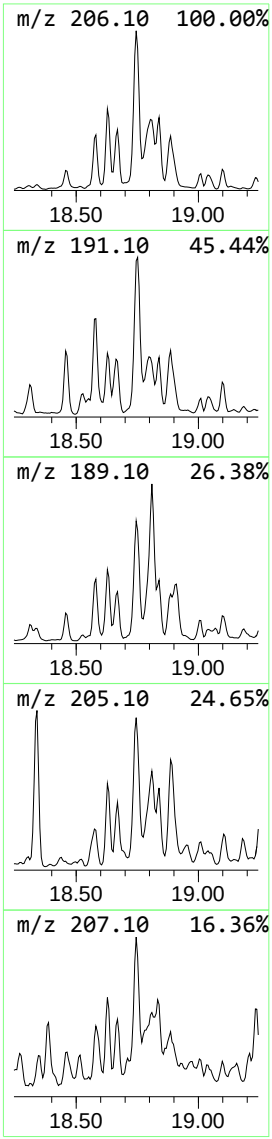
****

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.745	26.57 ng	1622960	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

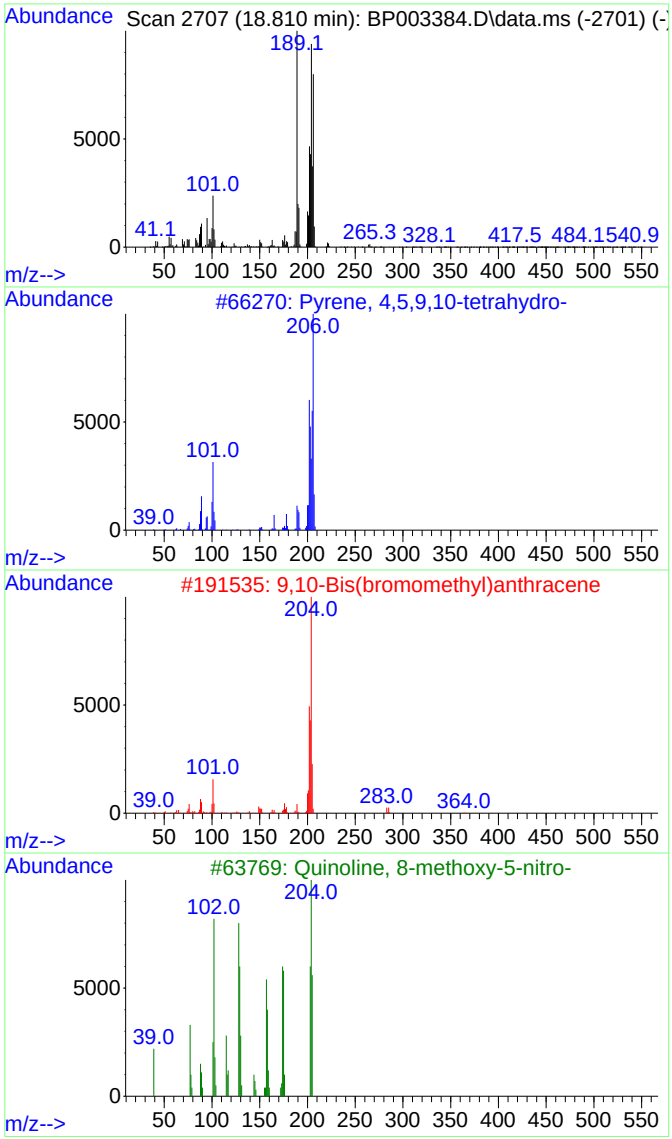
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

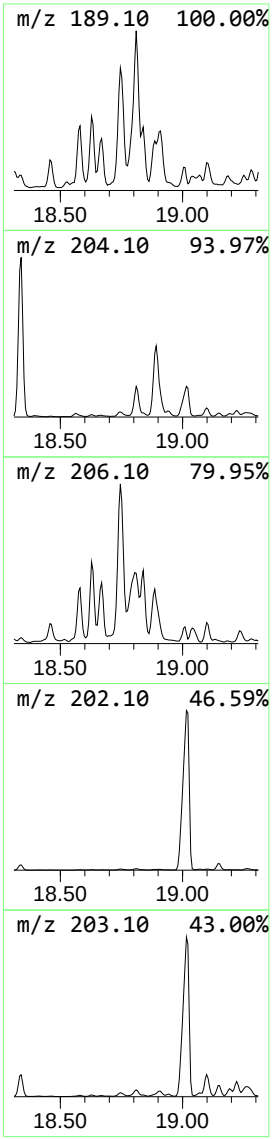
****

Peak Number 16 unknown18.81 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.810	23.86 ng	1457920	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
3	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	30
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	25
5	Levamisole	204	C11H12N2S	014769-73-4	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3(13-15)

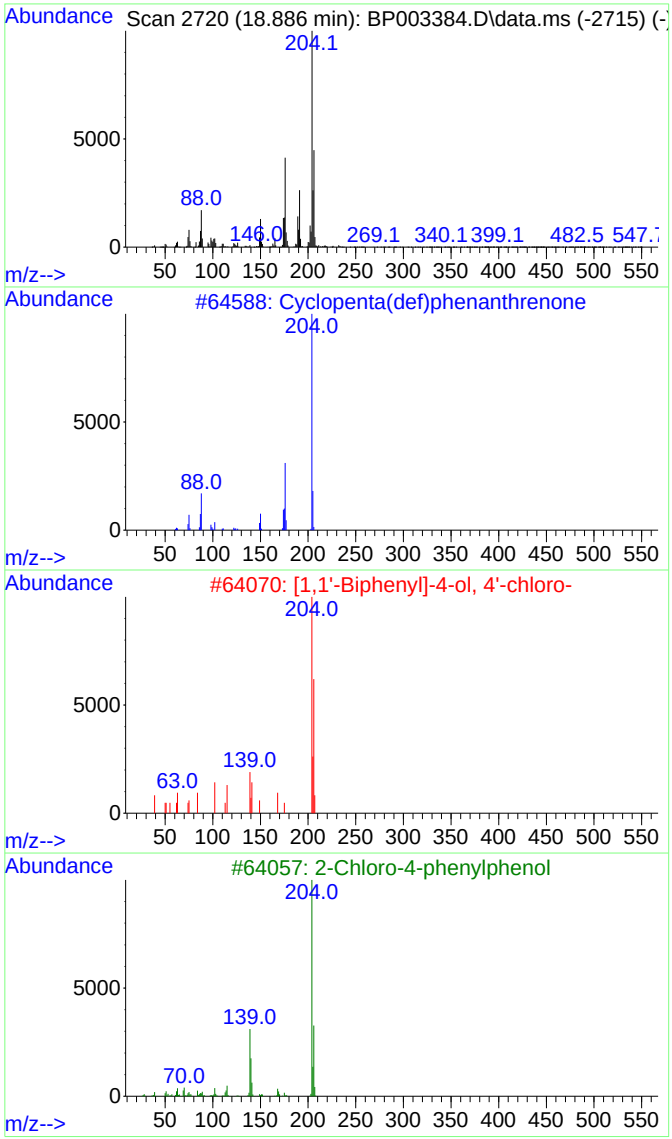
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

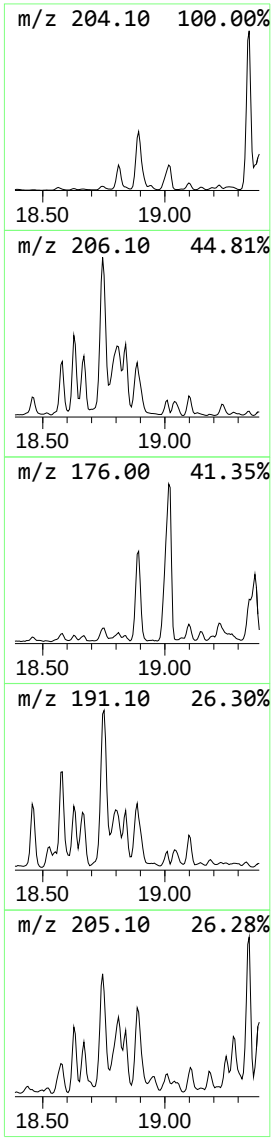
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.886	23.81 ng	1454850	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
4	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	43
5	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

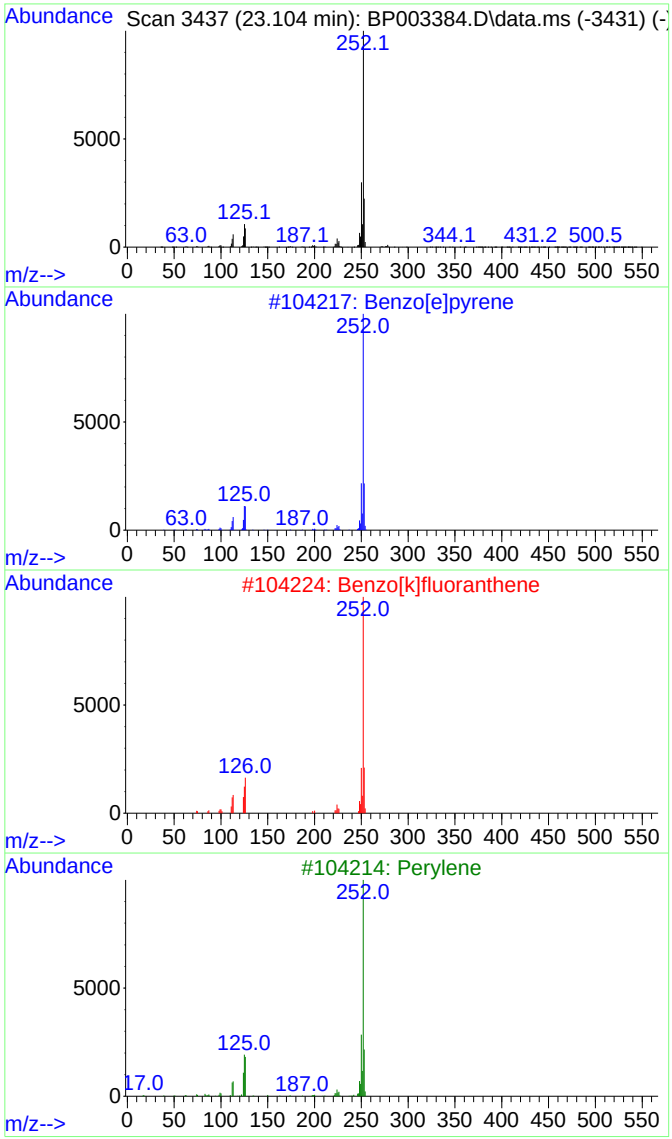
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

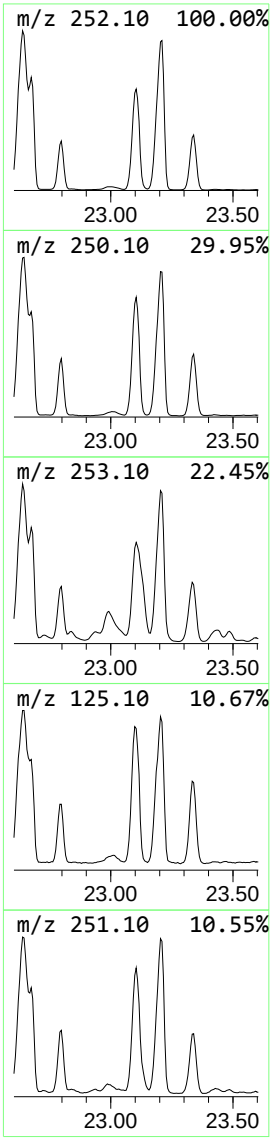
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.104	35.66 ng	7580050	Perylene-d12	23.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
Data File : BP003384.D
Acq On : 25 Sep 2020 16:43
Operator : CG/JU
Sample : L4127-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-3(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Dibenzofuran, 4...	15.569	12.0	ng	920082	3	14.216	1530900	20.0
Nonadecane, 9-m...	15.963	11.4	ng	699742	4	16.975	1221830	20.0
9H-Fluorene, 2-...	16.281	11.7	ng	716772	4	16.975	1221830	20.0
9H-Fluoren-9-one	16.634	15.8	ng	966357	4	16.975	1221830	20.0
unknown16.71	16.716	11.7	ng	716433	4	16.975	1221830	20.0
Acridine	17.169	11.3	ng	692880	4	16.975	1221830	20.0
Anthracene, 2-m...	17.851	40.8	ng	2494730	4	16.975	1221830	20.0
Phenanthrene, 2...	17.898	53.9	ng	3294950	4	16.975	1221830	20.0
1H-Cyclopropa[l...	17.975	25.7	ng	1567600	4	16.975	1221830	20.0
4H-Cyclopenta[d...	18.039	80.7	ng	4931750	4	16.975	1221830	20.0
1H-Indene, 2-ph...	18.075	23.1	ng	1413840	4	16.975	1221830	20.0
5,16[1',2']:8,1...	18.339	29.5	ng	1802730	4	16.975	1221830	20.0
9,10-Anthracene...	18.386	17.1	ng	1042250	4	16.975	1221830	20.0
Phenanthrene, 2...	18.745	26.6	ng	1622960	4	16.975	1221830	20.0
unknown18.81	18.810	23.9	ng	1457920	4	16.975	1221830	20.0
Cyclopenta(def)...	18.886	23.8	ng	1454850	4	16.975	1221830	20.0
Benzo[e]pyrene	23.104	35.7	ng	7580050	6	23.286	4250810	20.0