LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095442.D
Acq On : 26 May 2017 1:13
Operator : SJ/MA
Sample : I3223-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-42-20170517

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:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.078	531	534	555	rBV	52681	153199	11.67%	0.891%
2	5.719	640	643	681	rBV	335191	1044080	79.53%	6.073%
3	7.301	909	912	928	rBV	305602	898258	68.42%	5.225%
4	7.413	928	931	952	rVB	668586	1294005	98.57%	7.526%
5	7.742	983	987	997	rBV	388435	488927	37.24%	2.844%
6	7.978	1023	1027	1047	rBV	699698	920484	70.11%	5.354%
7	8.654	1138	1142	1165	rBV	245496	576275	43.90%	3.352%
8	9.772	1327	1332	1359	rBV	322723	677513	51.61%	3.941%
9	11.542	1628	1633	1653	rBV	767535	1312843	100.00%	7.636%
10	11.760	1666	1670	1677	rVB4	7614	13175	1.00%	0.077%
11	12.242	1748	1752	1767	rVB	82267	161577	12.31%	0.940%
12	12.377	1771	1775	1784	rBV	35265	58298	4.44%	0.339%
13	12.601	1808	1813	1821	rBV2	448479	712906	54.30%	4.147%
14	12.971	1872	1876	1881	rBV4	8545	19074	1.45%	0.111%
15	13.148	1901	1906	1911	rVB4	9370	15458	1.18%	0.090%
16	13.430	1951	1954	1957	rBV2	23592	27477	2.09%	0.160%
17	13.507	1964	1967	1974	rVB3	19309	32265	2.46%	0.188%
18	13.789	2008	2015	2023	rBV7	14729	35833	2.73%	0.208%
19	13.907	2030	2035	2045	rBV	298925	547435	41.70%	3.184%
20	14.207	2082	2086	2088	rBV	25443	30897	2.35%	0.180%
21	14.230	2088	2090	2095	rVV4	16472	21186	1.61%	0.123%
22	14.407	2112	2120	2125	rBV10	11722	27679	2.11%	0.161%
23	14.624	2154	2157	2161	rBV5	13740	24246	1.85%	0.141%
24	14.842	2192	2194	2198	rVB	15435	15452	1.18%	0.090%
25	14.936	2206	2210	2213	rBV2	18227	19293	1.47%	0.112%
26	15.007	2215	2222	2225	rVV	374337	526068	40.07%	3.060%
27	15.042	2225	2228	2239	rVB	272295	406766	30.98%	2.366%
28	15.136	2239	2244	2252	rVB	52526	89860	6.84%	0.523%
29	15.230	2256	2260	2264	rBV5	10248	14908	1.14%	0.087%
30	15.436	2292	2295	2301	rBV2	15472	28248	2.15%	0.164%
31	15.489	2301	2304	2307	rVV4	12315	14187	1.08%	0.083%
32	15.524	2307	2310	2315	rVB4	15503	17267	1.32%	0.100%
33	15.595	2318	2322	2325	rBV3	15334	16870	1.28%	0.098%
34	15.789	2351	2355	2359	rBV	65650	82988	6.32%	0.483%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095442.D
Acq On : 26 May 2017 1:13
Operator : SJ/MA
Sample : I3223-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-42-20170517

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:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.830	2359	2362	2367	rVV	76907	95474	7.27%	0.555%
36	15.901	2371	2374	2377	rVV	19144	21934	1.67%	0.128%
37	15.942	2377	2381	2385	rVV2	79360	153752	11.71%	0.894%
38	15.977	2385	2387	2395	rVB	59344	80481	6.13%	0.468%
39	16.189	2420	2423	2425	rBV4	15379	14830	1.13%	0.086%
40	16.230	2427	2430	2438	rVB	33596	53551	4.08%	0.311%
41	16.289	2438	2440	2445	rBV3	32101	42266	3.22%	0.246%
42	16.430	2461	2464	2469	rBV3	24158	29484	2.25%	0.171%
43	16.483	2469	2473	2476	rBV3	19788	26217	2.00%	0.152%
44	16.583	2485	2490	2493	rBV	71731	91933	7.00%	0.535%
45	16.624	2493	2497	2501	rVV4	36503	61227	4.66%	0.356%
46	16.659	2501	2503	2506	rVB3	15121	15416	1.17%	0.090%
47	16.706	2506	2511	2517	rBV4	42819	78571	5.98%	0.457%
48	16.783	2520	2524	2536	rVB	502523	641764	48.88%	3.733%
49	16.883	2538	2541	2544	rBV4	17048	20129	1.53%	0.117%
50	17.024	2562	2565	2568	rBV4	20852	28326	2.16%	0.165%
51	17.089	2571	2576	2585	rVV	568819	698104	53.17%	4.060%
52	17.153	2585	2587	2593	rVB4	14129	25766	1.96%	0.150%
53	17.206	2593	2596	2598	rVB3	13015	14380	1.10%	0.084%
54	17.242	2598	2602	2606	rBV6	27682	33644	2.56%	0.196%
55	17.277	2606	2608	2611	rVV2	22672	19004	1.45%	0.111%
56	17.324	2611	2616	2624	rVV	747777	937313	71.40%	5.452%
57	17.406	2624	2630	2635	rBV4	39925	72207	5.50%	0.420%
58	17.518	2645	2649	2652	rBV5	37187	69285	5.28%	0.403%
59	17.553	2652	2655	2660	rVB3	56965	82158	6.26%	0.478%
60	17.642	2667	2670	2674	rVB	40294	42515	3.24%	0.247%
61	17.689	2674	2678	2679	rBV	82482	103657	7.90%	0.603%
62	17.800	2694	2697	2701	rVB2	49438	52862	4.03%	0.307%
63	17.848	2701	2705	2708	rVV2	30652	44025	3.35%	0.256%
64	17.883	2708	2711	2719	rVB6	35063	64593	4.92%	0.376%
65	17.983	2725	2728	2733	rVB7	14047	24206	1.84%	0.141%
66	18.195	2760	2764	2766	rBV5	12507	16957	1.29%	0.099%
67	18.242	2769	2772	2776	rVV	46708	60434	4.60%	0.352%
68	18.359	2788	2792	2794	rVV	32611	41552	3.17%	0.242%
69	18.383	2794	2796	2800	rVV2	53890	56725	4.32%	0.330%
70	18.418	2800	2802	2806	rVV	33714	42094	3.21%	0.245%
71	18.459	2806	2809	2813	rVB3	30973	36028	2.74%	0.210%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095442.D
Acq On : 26 May 2017 1:13
Operator : SJ/MA
Sample : I3223-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-42-20170517

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:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	18.518	2816	2819	2823	rVV2	39302	47404	3.61%	0.276%
73	18.571	2825	2828	2834	rVB5	29859	46647	3.55%	0.271%
74	18.677	2840	2846	2850	rBV2	565834	891527	67.91%	5.185%
75	18.712	2850	2852	2863	rVV2	244230	353818	26.95%	2.058%
76	18.806	2865	2868	2873	rVB3	30061	44112	3.36%	0.257%
77	18.971	2892	2896	2899	rVB4	29351	37096	2.83%	0.216%
78	19.183	2929	2932	2936	rBV2	47015	53463	4.07%	0.311%
79	19.336	2956	2958	2959	rBV2	27217	22350	1.70%	0.130%
80	19.953	3059	3063	3066	rBV	209135	310396	23.64%	1.805%
81	20.065	3079	3082	3088	rBV2	46255	87617	6.67%	0.510%
82	20.241	3109	3112	3117	rBV	129063	145756	11.10%	0.848%
83	20.306	3119	3123	3128	rVV	161662	201042	15.31%	1.169%
84	20.359	3128	3132	3141	rVB2	274809	379357	28.90%	2.206%
85	21.688	3356	3358	3359	rBV2	43884	29489	2.25%	0.172%
86	22.088	3422	3426	3439	rVB	70866	208976	15.92%	1.215%
87	23.806	3716	3718	3719	rBV2	17749	15933	1.21%	0.093%

Sum of corrected areas: 17192844

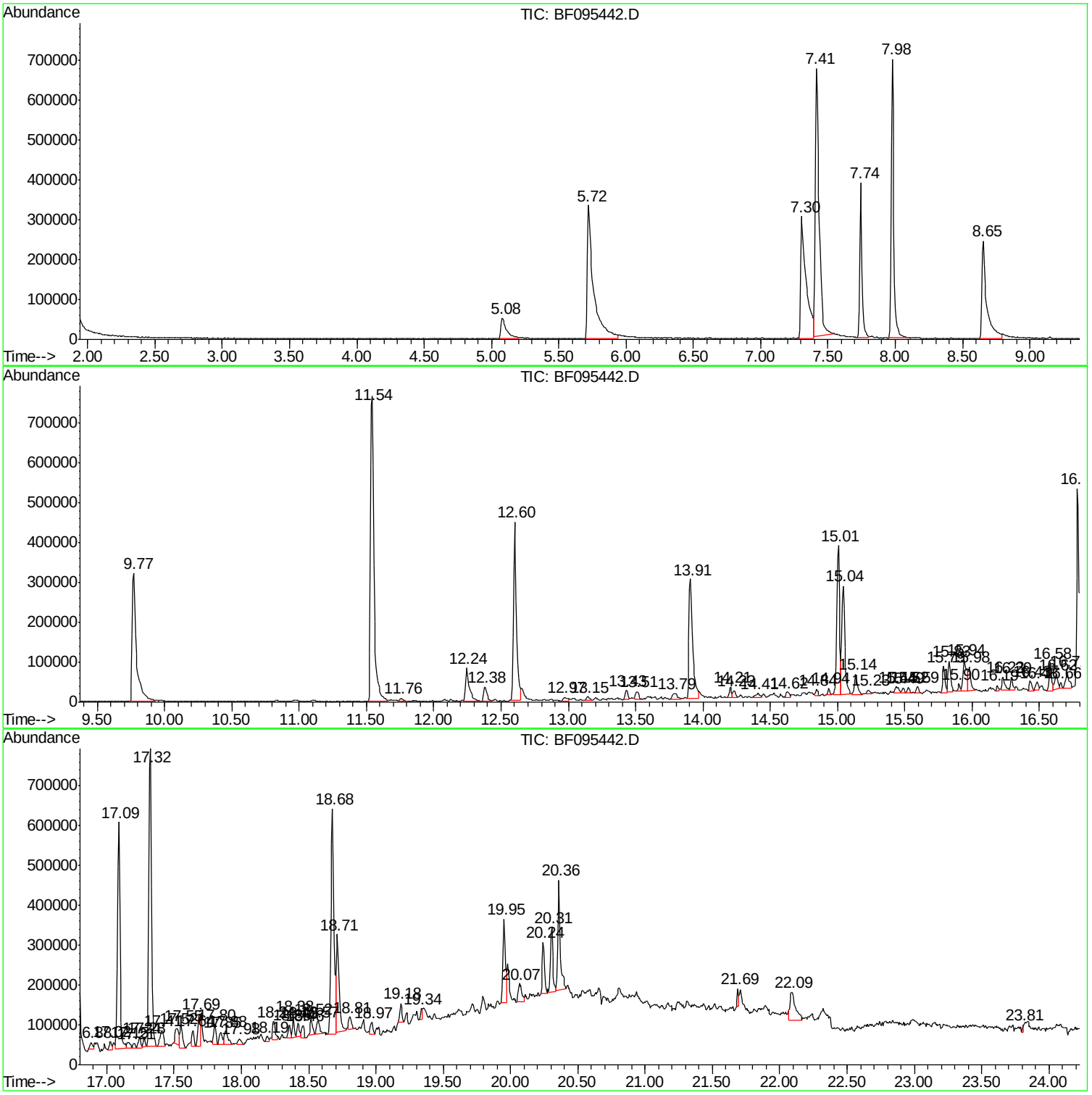
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095442.D
Acq On : 26 May 2017 1:13
Operator : SJ/MA
Sample : I3223-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POSTEX-42-20170517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095442.D
Acq On : 26 May 2017 1:13
Operator : SJ/MA
Sample : I3223-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-42-20170517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

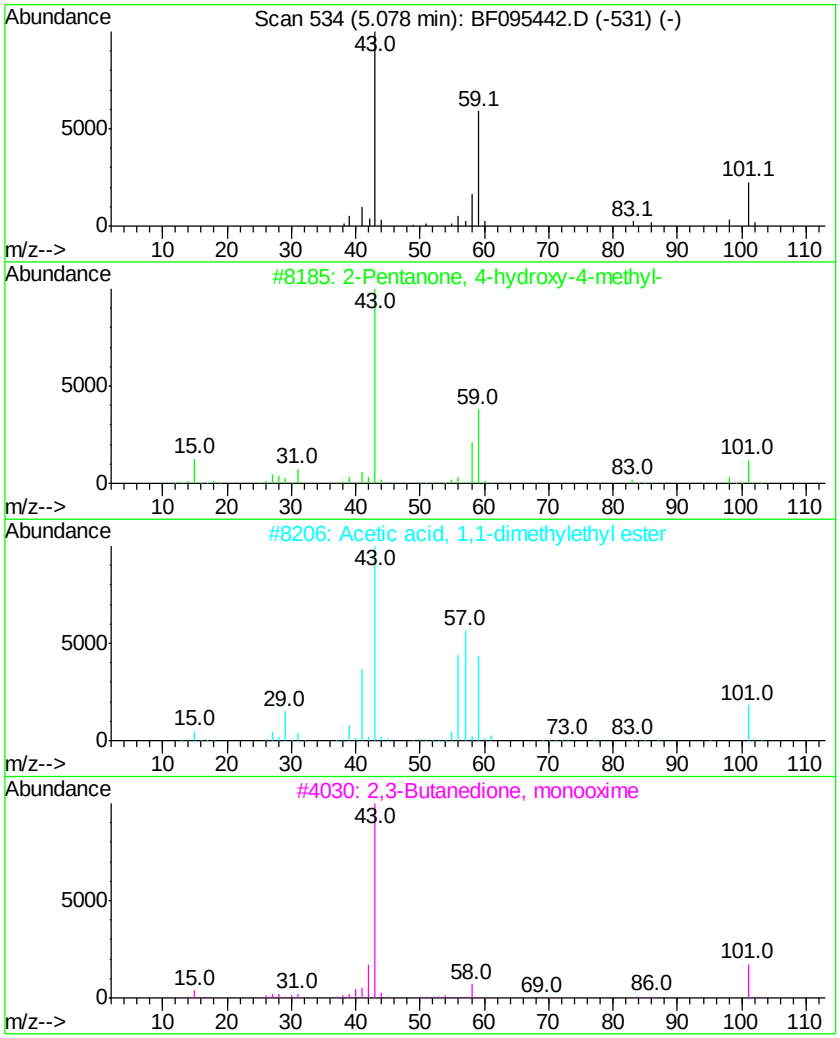
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

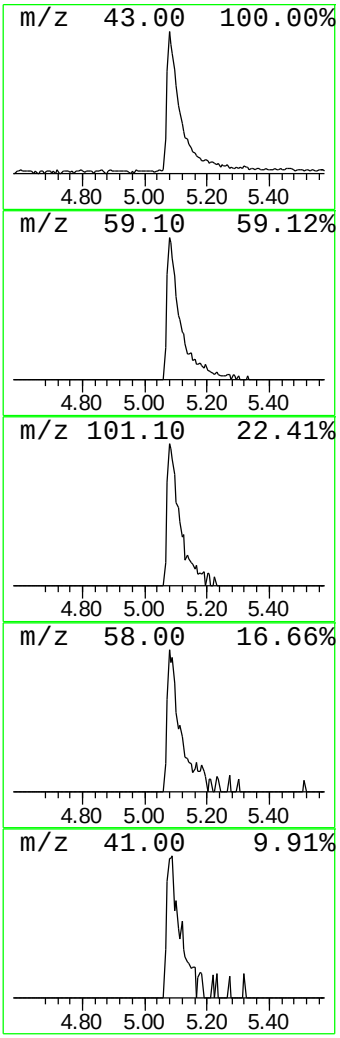
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	6.27 ng	153199	1,4-Dichlorobenzene-d4	7.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	38
4	3-Hexanol	102	C6H14O	000623-37-0	25
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	17





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095442.D
Acq On : 26 May 2017 1:13
Operator : SJ/MA
Sample : I3223-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-42-20170517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

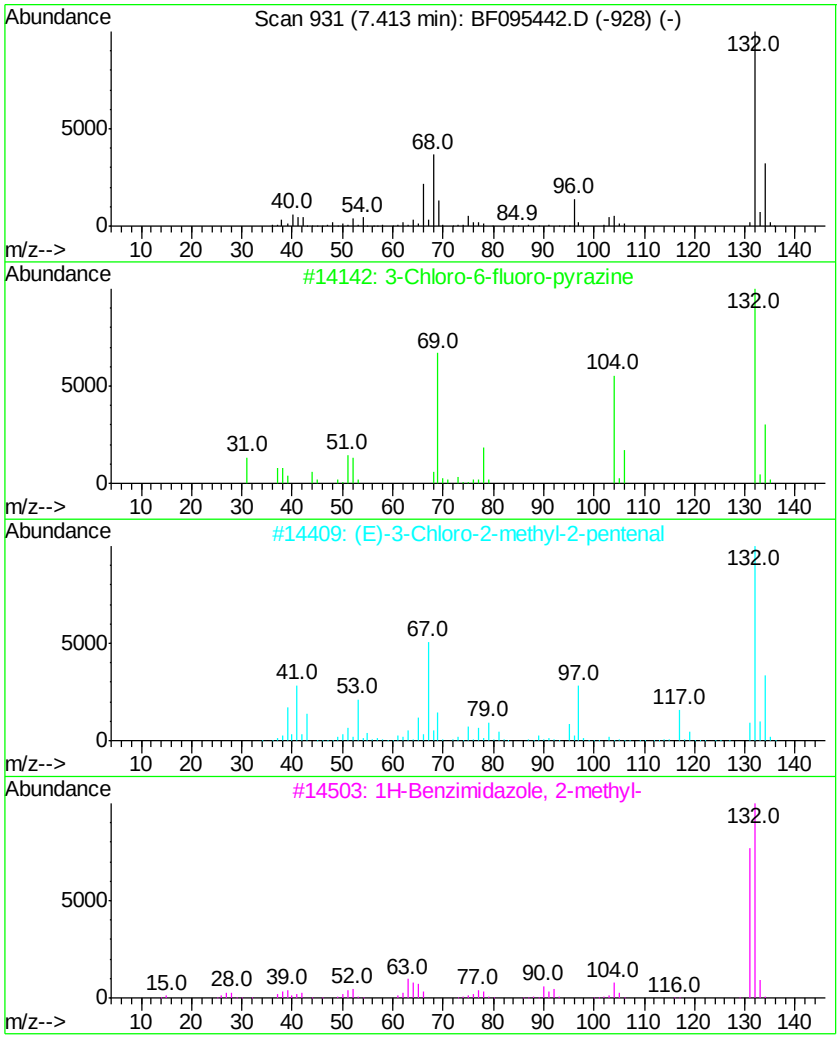
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

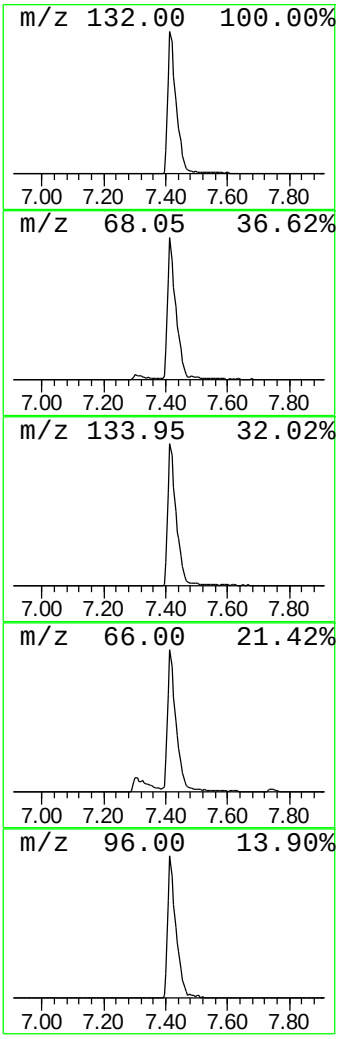
****

Peak Number 2 unknown7.41 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.41	52.93 ng	1294010	1,4-Dichlorobenzene-d4	7.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095442.D
Acq On : 26 May 2017 1:13
Operator : SJ/MA
Sample : I3223-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-42-20170517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

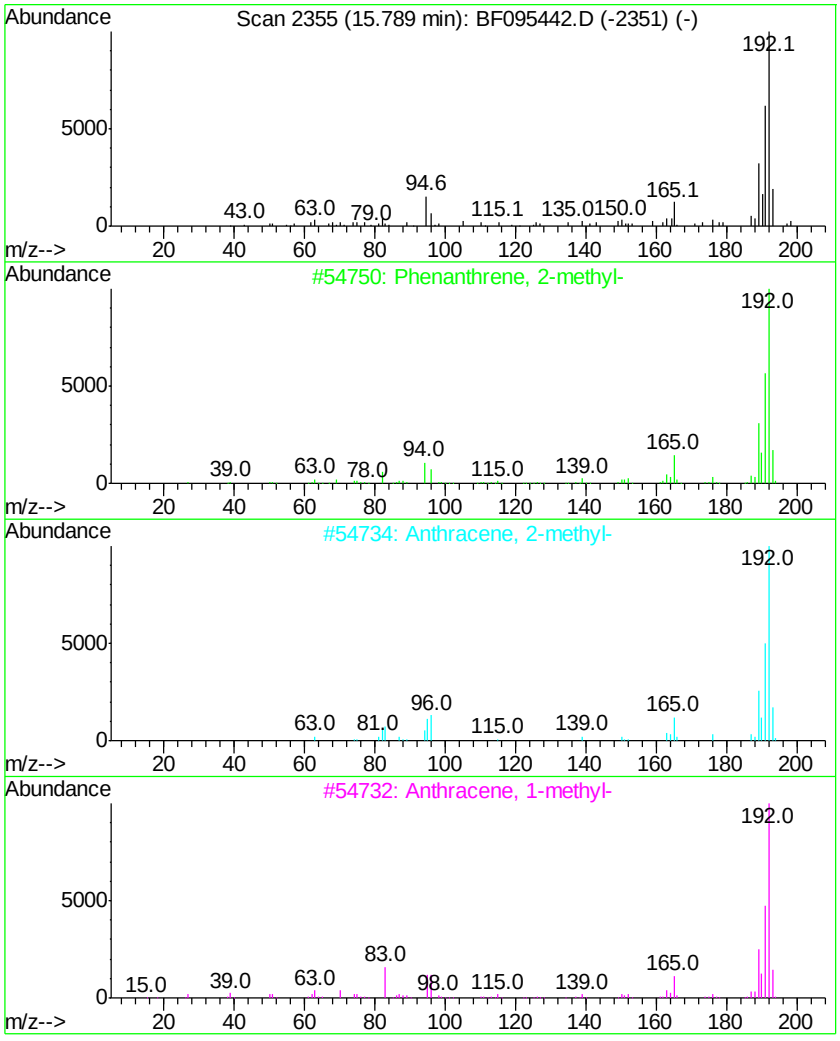
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

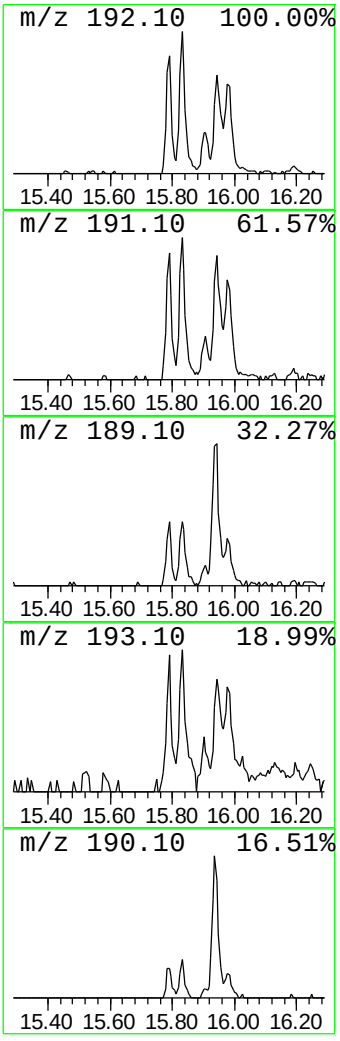
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	3.16 ng	82988	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	89





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095442.D
Acq On : 26 May 2017 1:13
Operator : SJ/MA
Sample : I3223-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-42-20170517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

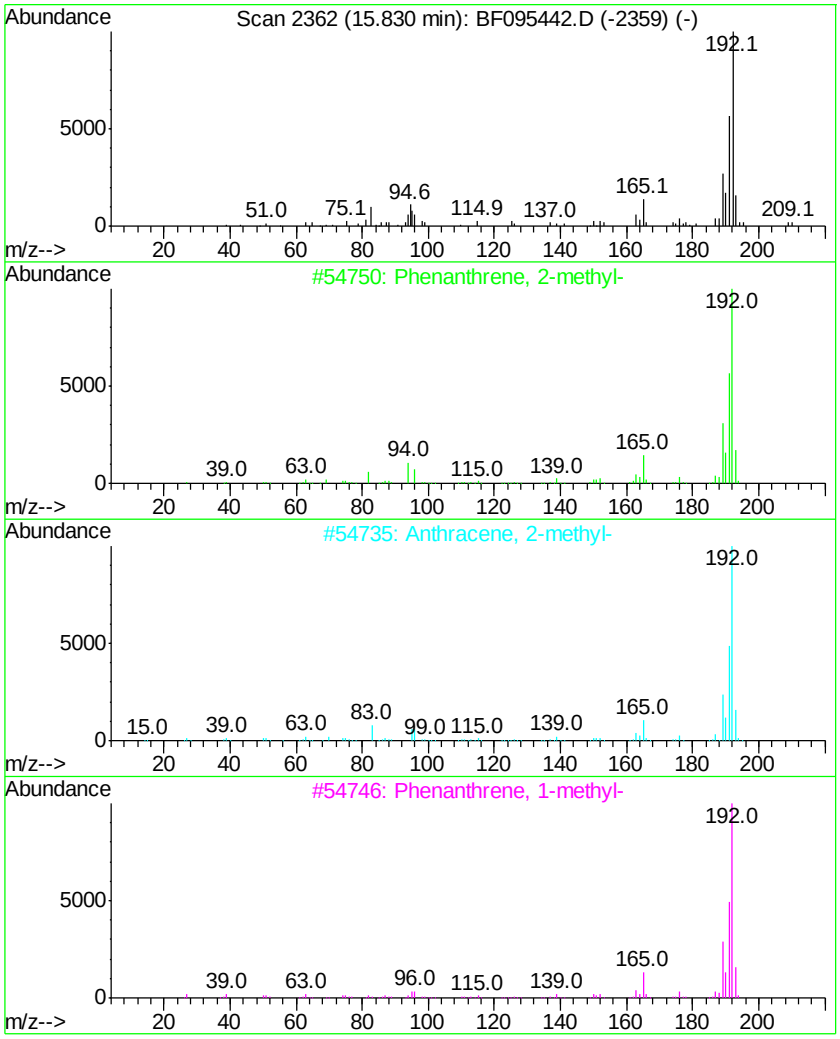
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

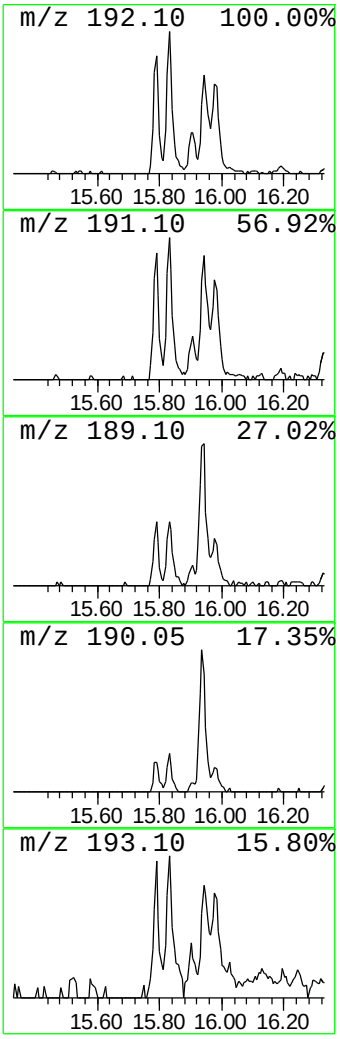
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	3.63 ng	95474	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095442.D
Acq On : 26 May 2017 1:13
Operator : SJ/MA
Sample : I3223-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-42-20170517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

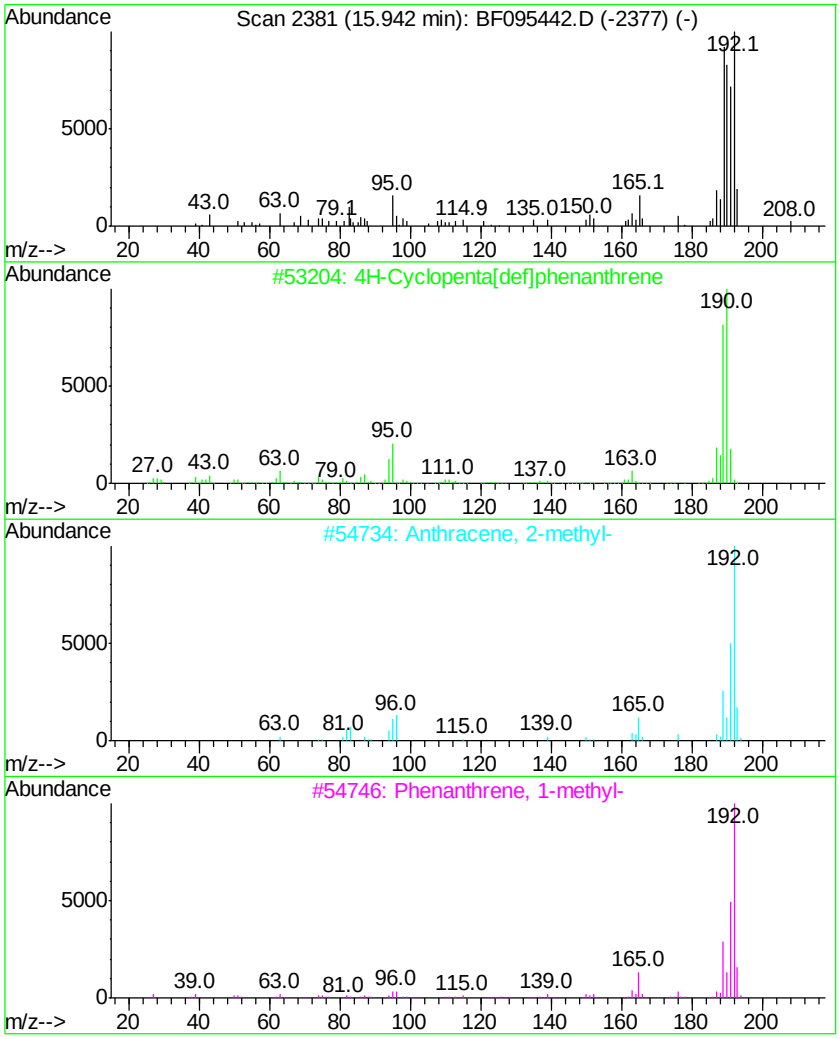
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

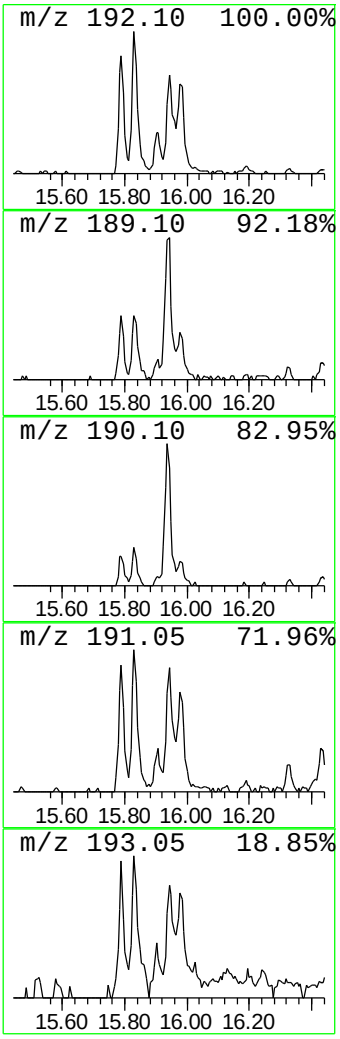
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	5.85 ng	153752	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	50
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095442.D
Acq On : 26 May 2017 1:13
Operator : SJ/MA
Sample : I3223-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-42-20170517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

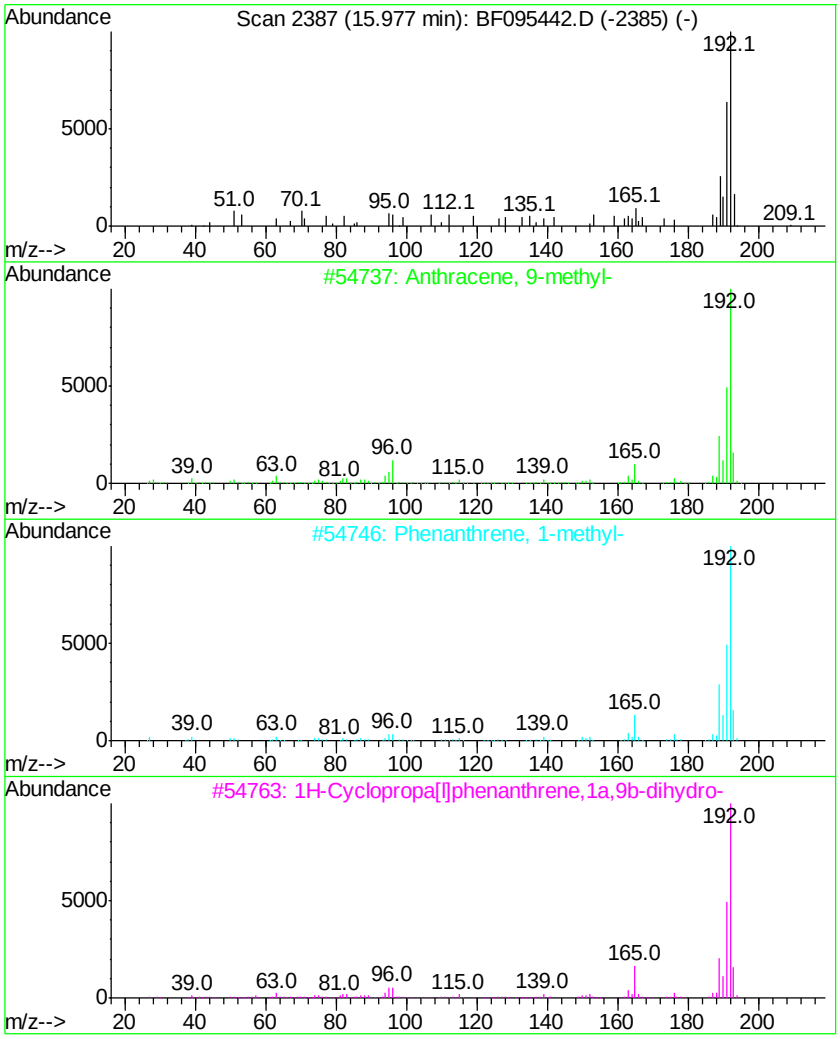
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

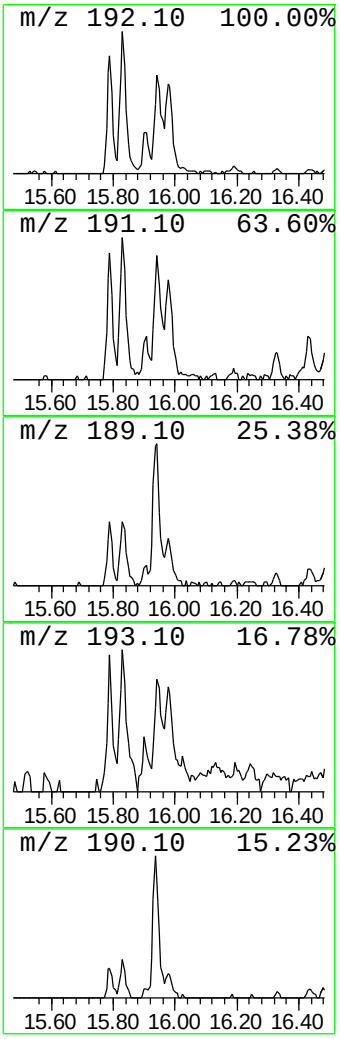
****

Peak Number 7 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	3.06 ng	80481	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095442.D
Acq On : 26 May 2017 1:13
Operator : SJ/MA
Sample : I3223-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-42-20170517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

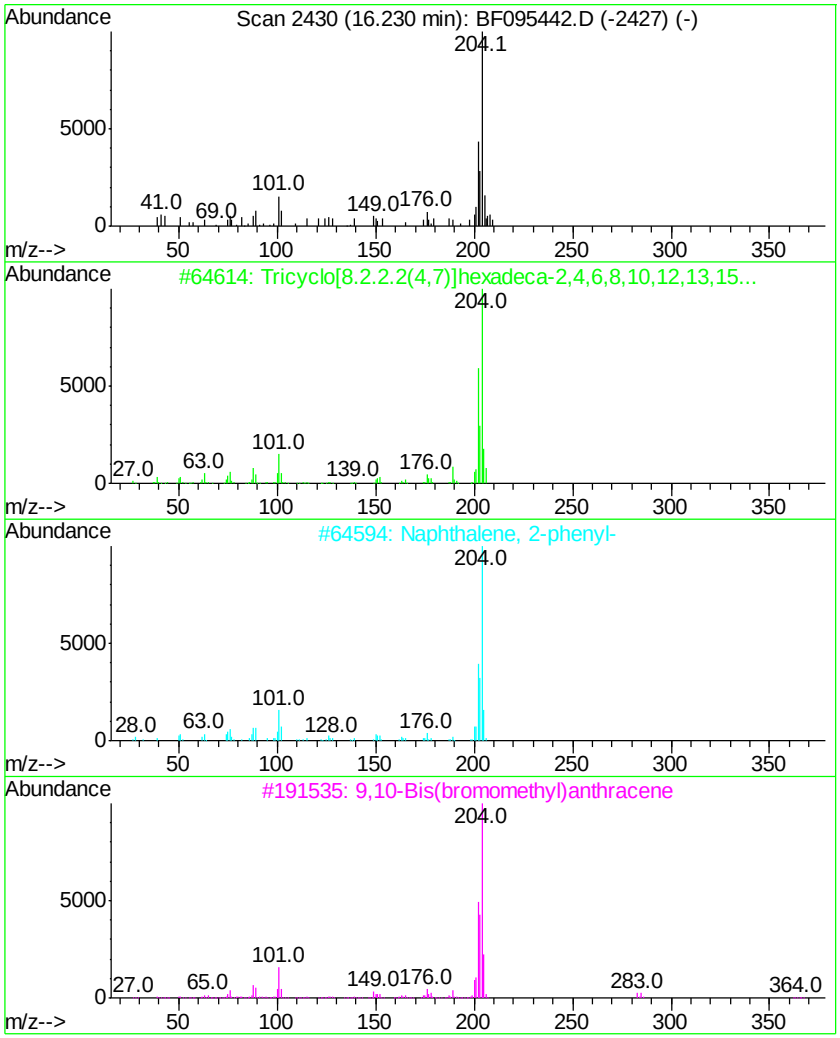
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

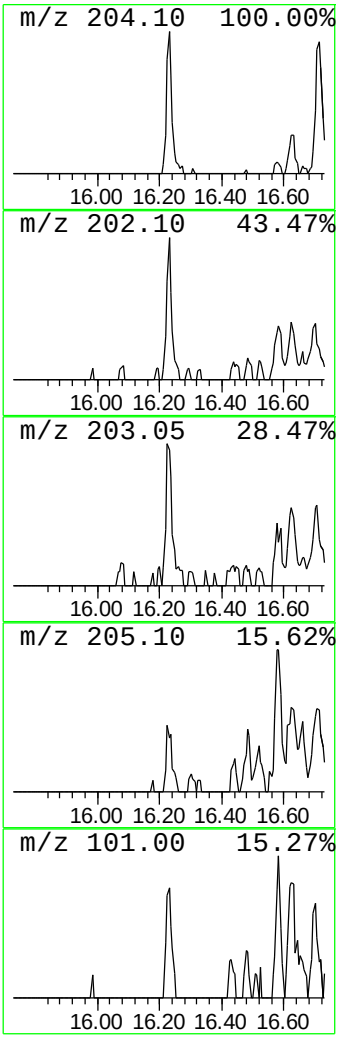
****

Peak Number 8 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	2.04 ng	53551	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095442.D
Acq On : 26 May 2017 1:13
Operator : SJ/MA
Sample : I3223-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-42-20170517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

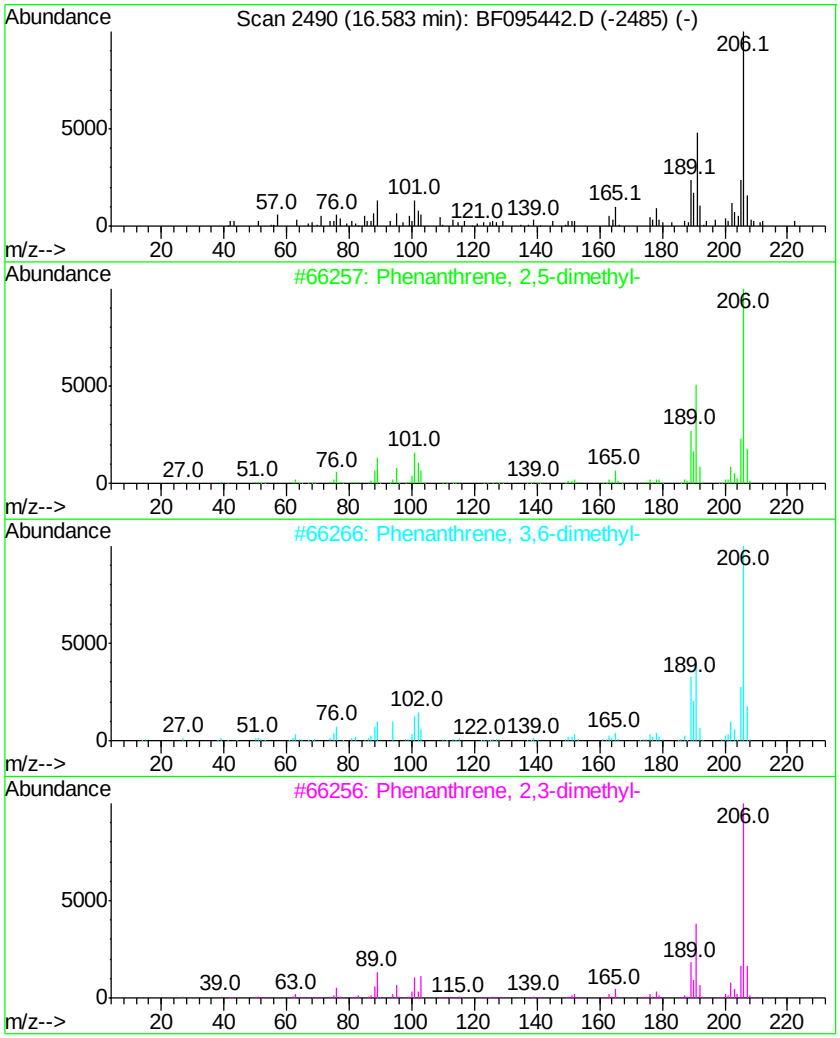
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

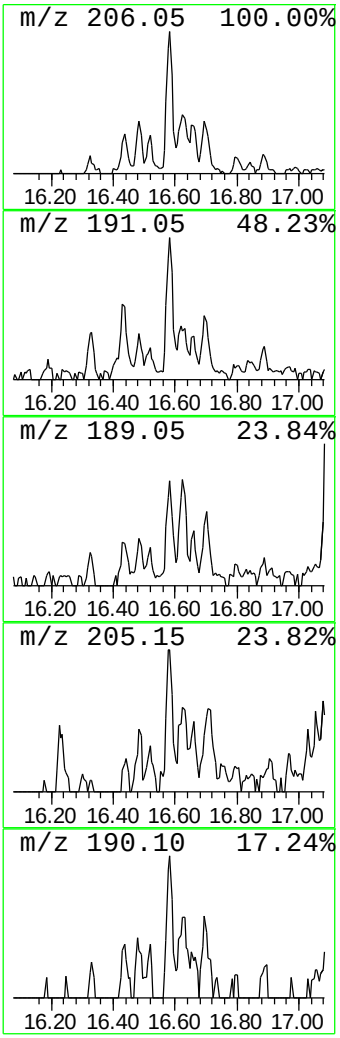
****

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.58	3.50 ng	91933	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095442.D
Acq On : 26 May 2017 1:13
Operator : SJ/MA
Sample : I3223-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-42-20170517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

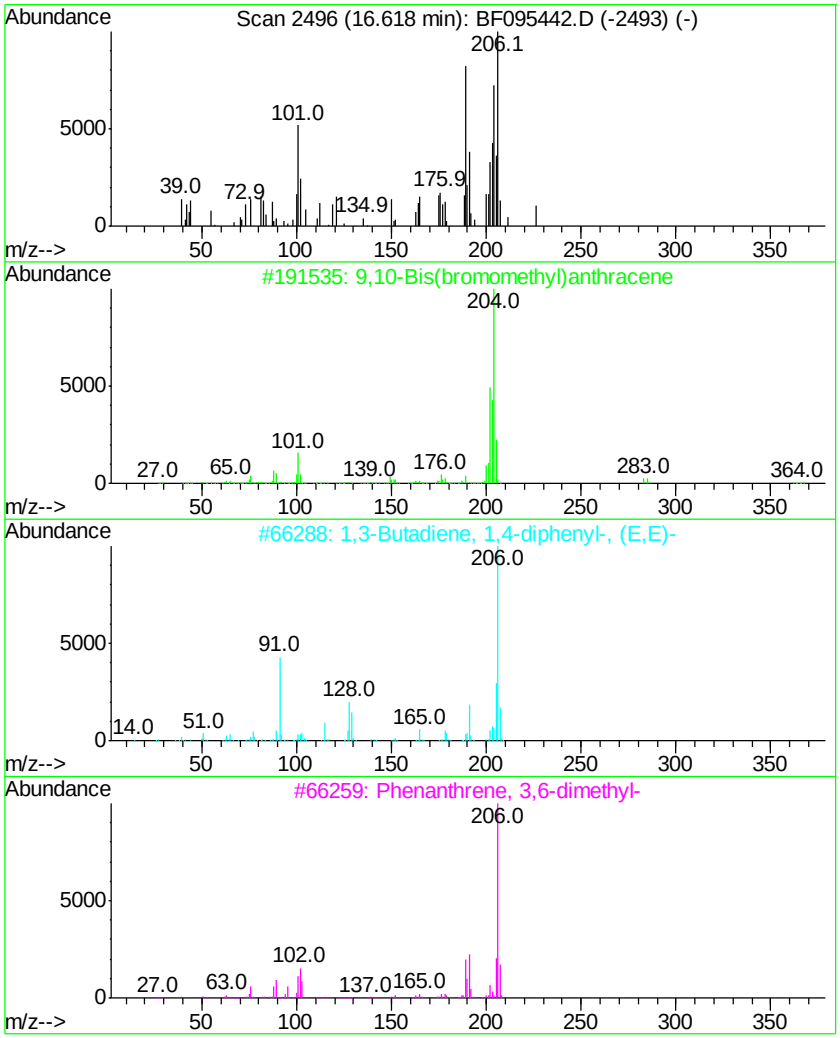
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

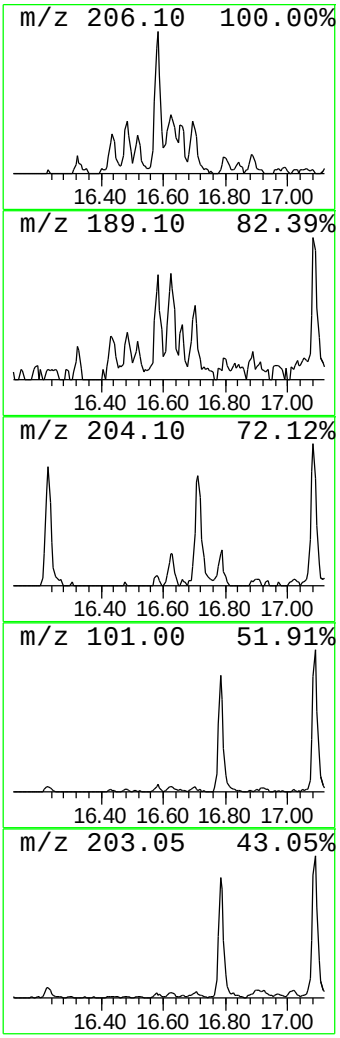
****

Peak Number 10 unknown16.62 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	2.33 ng	61227	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
2	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	27
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095442.D
Acq On : 26 May 2017 1:13
Operator : SJ/MA
Sample : I3223-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-42-20170517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

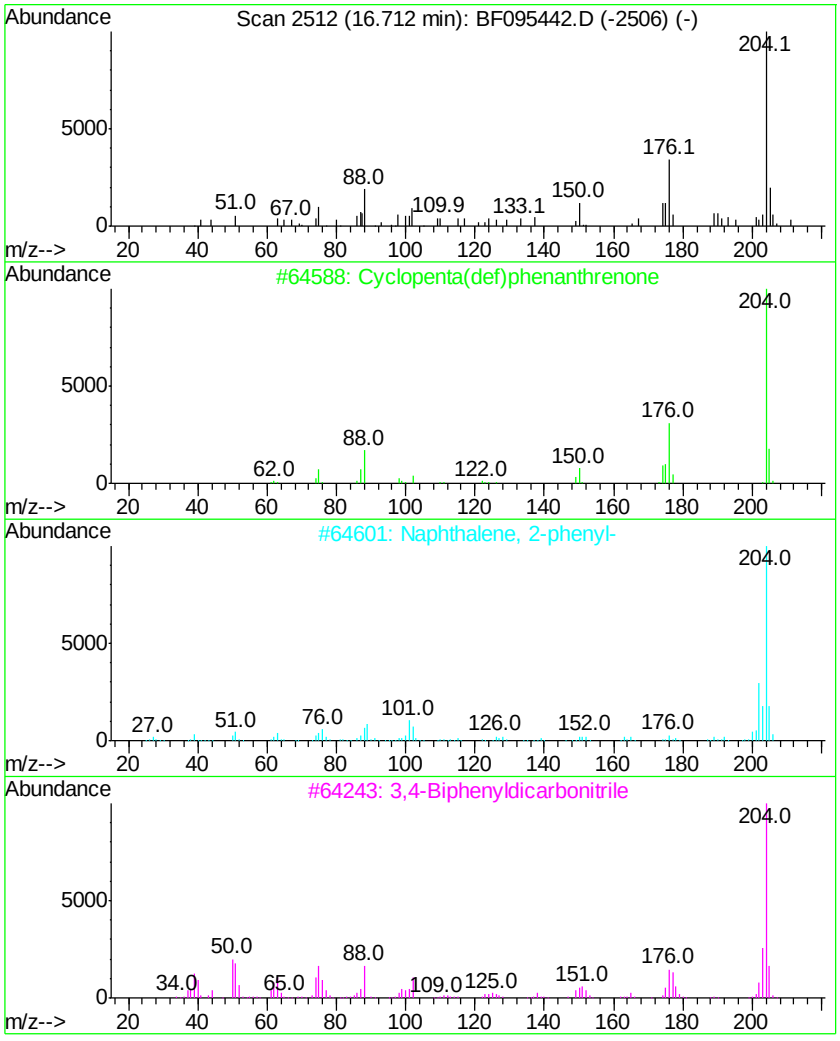
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

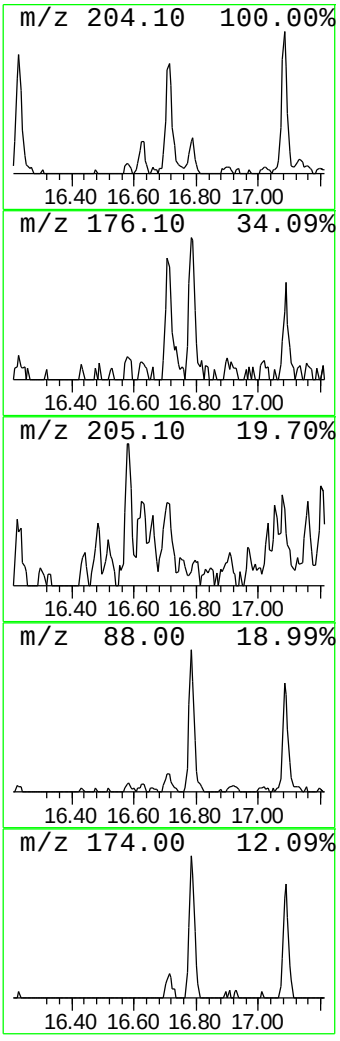
****

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	2.99 ng	78571	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095442.D
Acq On : 26 May 2017 1:13
Operator : SJ/MA
Sample : I3223-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-42-20170517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

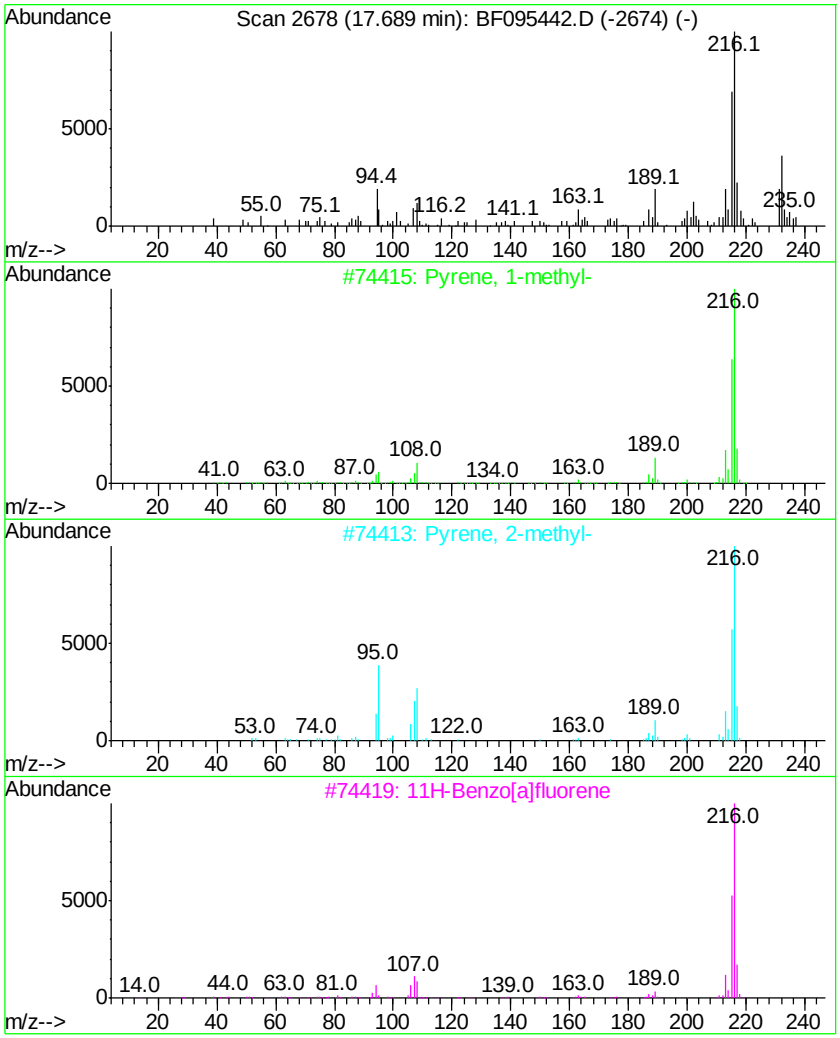
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

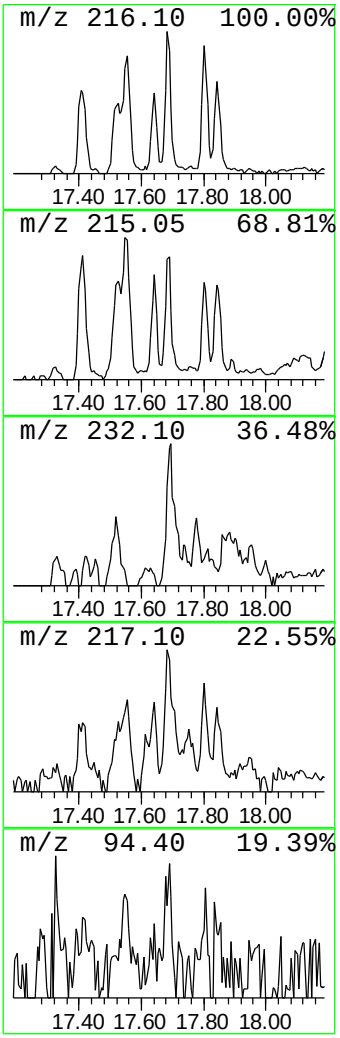
****

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.69	2.33 ng	103657	Chrysene-d12	18.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	62
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	58
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095442.D
Acq On : 26 May 2017 1:13
Operator : SJ/MA
Sample : I3223-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-42-20170517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

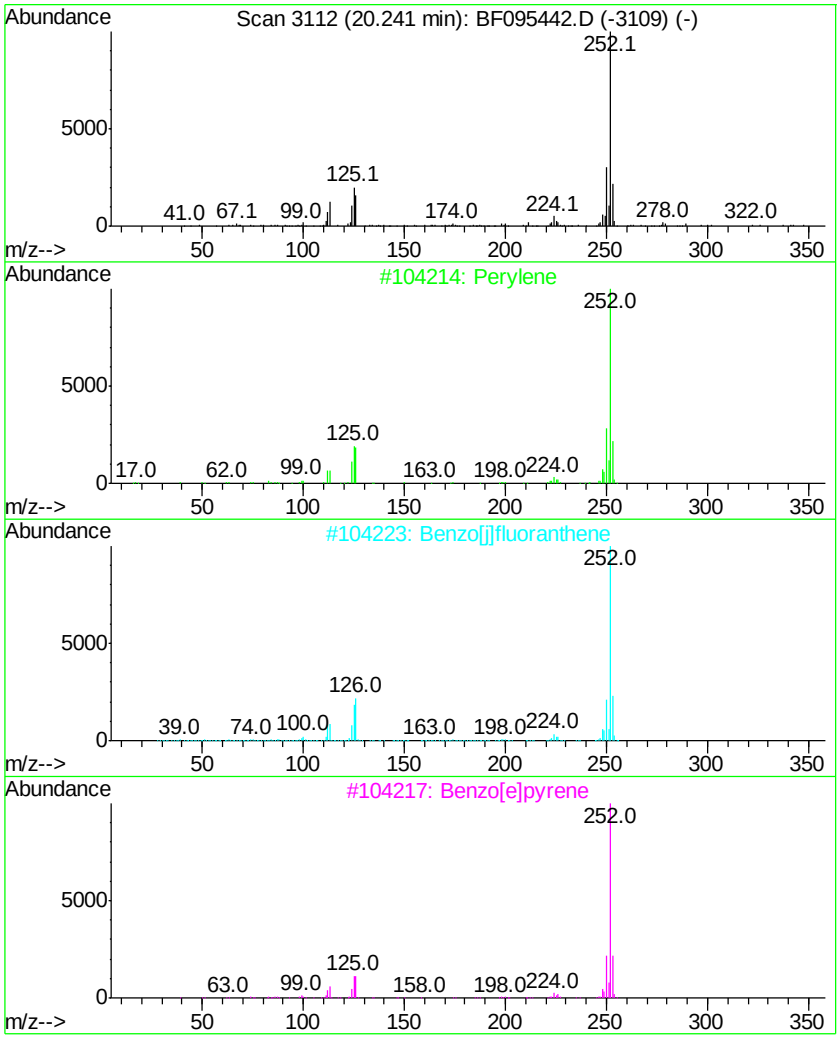
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

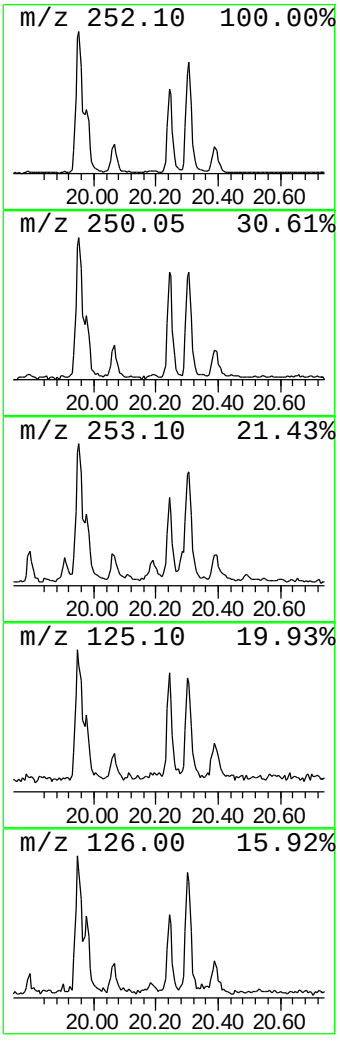
****

Peak Number 14 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.24	7.68 ng	145756	Perylene-d12	20.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	97
3	Benzo[e]pyrene	252	C20H12	000192-97-2	97
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052517\
Data File : BF095442.D
Acq On : 26 May 2017 1:13
Operator : SJ/MA
Sample : I3223-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-42-20170517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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
2-Pentanone, 4-hy...	5.08	6.3	ng	153199	1	7.74	488927	20.0
unknown7.41	7.41	52.9	ng	1294010	1	7.74	488927	20.0
Phenanthrene, 2-m...	15.79	3.2	ng	82988	4	15.01	526068	20.0
Anthracene, 2-met...	15.83	3.6	ng	95474	4	15.01	526068	20.0
4H-Cyclopenta[def...	15.94	5.8	ng	153752	4	15.01	526068	20.0
Anthracene, 9-met...	15.98	3.1	ng	80481	4	15.01	526068	20.0
Tricyclo[8.2.2.2(...	16.23	2.0	ng	53551	4	15.01	526068	20.0
Phenanthrene, 2,5...	16.58	3.5	ng	91933	4	15.01	526068	20.0
unknown16.62	16.62	2.3	ng	61227	4	15.01	526068	20.0
Cyclopenta(def)ph...	16.71	3.0	ng	78571	4	15.01	526068	20.0
Pyrene, 1-methyl-	17.69	2.3	ng	103657	5	18.68	891527	20.0
Perylene	20.24	7.7	ng	145756	6	20.36	379357	20.0