LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
Data File : BP001534.D
Acq On : 06 Jan 2020 17:39
Operator : JU
Sample : K6471-15 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : MC-123019-2-5-COMP-B1

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-BP010320.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	2.916	18	22	27	rBV3	9338	16119	1.47%	0.140%
2	3.004	33	37	42	rBV	29360	41047	3.74%	0.357%
3	4.875	350	355	361	rBV	38014	52699	4.81%	0.459%
4	5.316	424	430	439	rBV	166628	253380	23.11%	2.207%
5	6.887	690	697	708	rBV	191243	311983	28.46%	2.717%
6	7.228	746	755	765	rBV	188319	291562	26.59%	2.539%
7	7.681	825	832	841	rVB	223917	350243	31.95%	3.050%
8	7.998	878	886	893	rBV	148078	232525	21.21%	2.025%
9	8.828	1019	1027	1036	rBV	118737	191382	17.46%	1.667%
10	10.457	1297	1304	1310	rBV	282431	473344	43.17%	4.122%
11	10.504	1310	1312	1322	rVB	19635	29215	2.66%	0.254%
12	12.127	1580	1588	1593	rBV	14922	21828	1.99%	0.190%
13	12.345	1619	1625	1631	rVB2	11936	19085	1.74%	0.166%
14	12.939	1720	1726	1734	rVB	281472	396187	36.14%	3.450%
15	13.157	1755	1763	1771	rVB4	6078	14215	1.30%	0.124%
16	13.645	1838	1846	1851	rBV	15926	29152	2.66%	0.254%
17	13.698	1851	1855	1861	rVB3	9684	14224	1.30%	0.124%
18	13.798	1864	1872	1878	rBV	19533	30561	2.79%	0.266%
19	13.880	1878	1886	1889	rBV7	8553	14384	1.31%	0.125%
20	14.039	1905	1913	1919	rBV2	21639	38248	3.49%	0.333%
21	14.322	1954	1961	1967	rBV2	428629	620701	56.62%	5.406%
22	14.386	1967	1972	1981	rVB	45023	67167	6.13%	0.585%
23	14.633	2009	2014	2020	rVB4	6968	12084	1.10%	0.105%
24	14.721	2022	2029	2036	rVV2	30002	51212	4.67%	0.446%
25	14.810	2037	2044	2050	rVB4	9277	18026	1.64%	0.157%
26	14.951	2061	2068	2074	rBV5	9289	15825	1.44%	0.138%
27	15.121	2090	2097	2101	rBV4	7906	14730	1.34%	0.128%
28	15.374	2135	2140	2146	rBV2	47374	70605	6.44%	0.615%
29	15.539	2165	2168	2174	rVB6	8888	11445	1.04%	0.100%
30	15.680	2187	2192	2204	rVB	20479	36738	3.35%	0.320%
31	15.821	2210	2216	2224	rVB2	215802	327004	29.83%	2.848%
32	15.916	2229	2232	2239	rVB5	7395	11315	1.03%	0.099%
33	16.057	2252	2256	2263	rBV10	4921	11690	1.07%	0.102%
34	16.392	2303	2313	2318	rBV5	12912	35080	3.20%	0.306%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
Data File : BP001534.D
Acq On : 06 Jan 2020 17:39
Operator : JU
Sample : K6471-15 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : MC-123019-2-5-COMP-B1

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-BP010320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.439	2318	2321	2327	rVB5	8302	12579	1.15%	0.110%
36	16.533	2335	2337	2343	rVB7	8281	13415	1.22%	0.117%
37	16.627	2349	2353	2355	rBV2	11834	14955	1.36%	0.130%
38	16.663	2356	2359	2363	rVB3	12078	15357	1.40%	0.134%
39	16.733	2368	2371	2378	rVB2	15377	23757	2.17%	0.207%
40	16.833	2381	2388	2393	rBV3	21505	49354	4.50%	0.430%
41	16.892	2394	2398	2404	rVB	25614	38804	3.54%	0.338%
42	17.080	2424	2430	2434	rBV	512956	741044	67.59%	6.454%
43	17.121	2434	2437	2444	rVV	462710	612698	55.89%	5.336%
44	17.210	2445	2452	2458	rVV	90940	139060	12.68%	1.211%
45	17.280	2460	2464	2470	rVB3	14199	22941	2.09%	0.200%
46	17.492	2491	2500	2505	rBV2	21834	45773	4.18%	0.399%
47	17.615	2517	2521	2525	rBV4	11151	20178	1.84%	0.176%
48	17.804	2550	2553	2558	rVB6	7581	11790	1.08%	0.103%
49	17.957	2574	2579	2583	rBV	61191	89273	8.14%	0.777%
50	18.010	2583	2588	2595	rVV2	108530	194395	17.73%	1.693%
51	18.080	2596	2600	2605	rVV	43758	63125	5.76%	0.550%
52	18.145	2606	2611	2615	rVV3	91917	174887	15.95%	1.523%
53	18.180	2615	2617	2625	rVB	47097	58366	5.32%	0.508%
54	18.292	2634	2636	2641	rBV6	8327	13323	1.22%	0.116%
55	18.445	2658	2662	2665	rBV	51640	66401	6.06%	0.578%
56	18.686	2700	2703	2708	rVB3	18696	27737	2.53%	0.242%
57	18.768	2715	2717	2722	rVB5	17842	22354	2.04%	0.195%
58	18.851	2727	2731	2737	rVV2	45473	73350	6.69%	0.639%
59	18.980	2750	2753	2757	rBV2	26444	37944	3.46%	0.330%
60	19.104	2769	2774	2780	rBV	713308	919185	83.84%	8.005%
61	19.251	2796	2799	2802	rBV2	26718	34777	3.17%	0.303%
62	19.451	2825	2833	2842	rBV	594497	1002151	91.41%	8.728%
63	19.633	2861	2864	2866	rBV	49699	58608	5.35%	0.510%
64	19.662	2866	2869	2879	rVB	426074	537548	49.03%	4.682%
65	19.939	2913	2916	2921	rVB	109355	154616	14.10%	1.347%
66	20.039	2930	2933	2937	rVB	57646	60255	5.50%	0.525%
67	20.233	2963	2966	2970	rVB	45275	52603	4.80%	0.458%
68	20.274	2970	2973	2977	rBV	65823	80102	7.31%	0.698%
69	21.180	3121	3127	3130	rBV2	603485	1096347	100.00%	9.548%
70	21.215	3130	3133	3137	rVB	262430	317476	28.96%	2.765%
71	23.427	3506	3509	3515	rVB	287635	460807	42.03%	4.013%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
Data File : BP001534.D
Acq On : 06 Jan 2020 17:39
Operator : JU
Sample : K6471-15 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MC-123019-2-5-COMP-B1

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-BP010320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 11482340

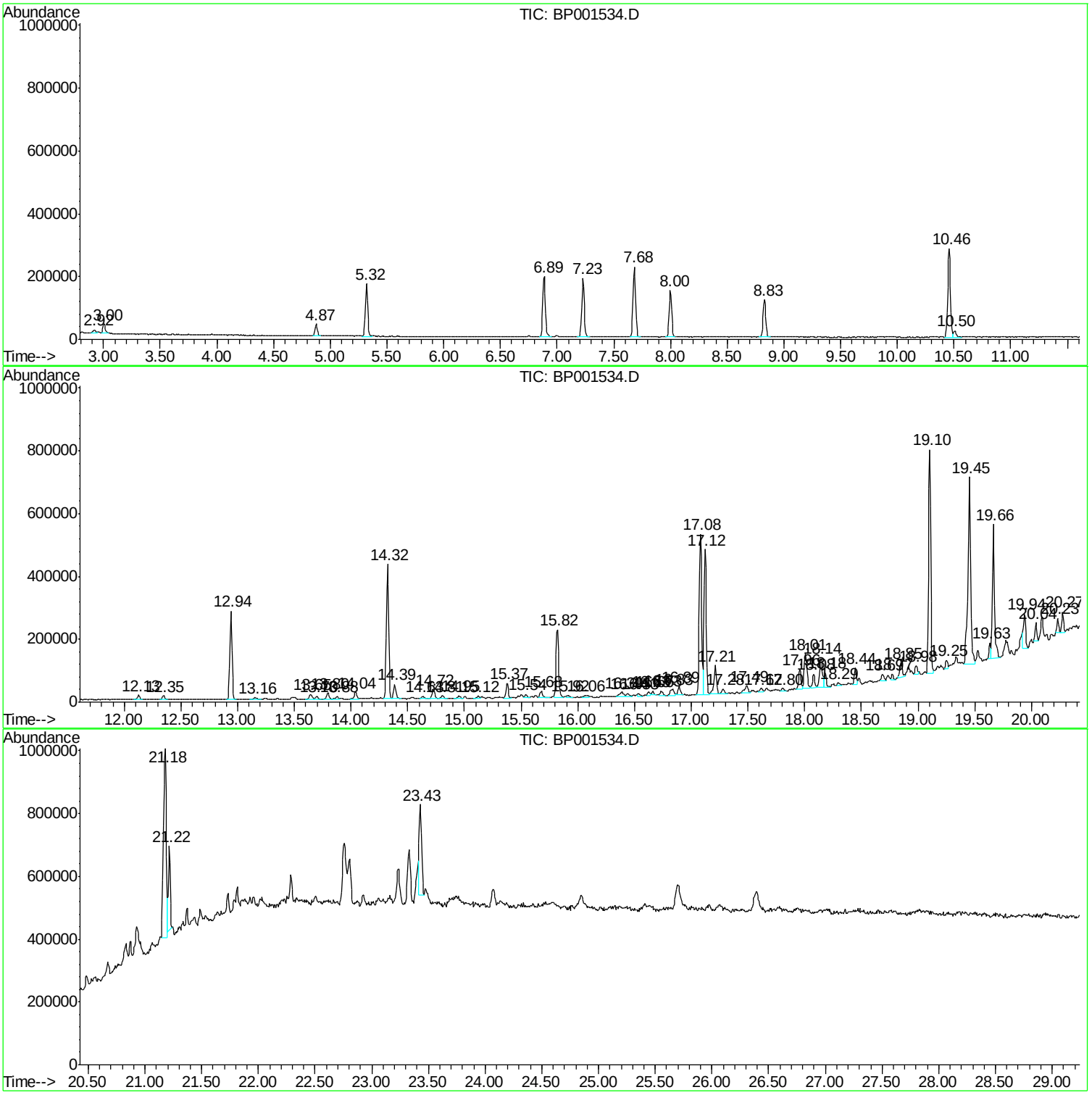
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
Data File : BP001534.D
Acq On : 06 Jan 2020 17:39
Operator : JU
Sample : K6471-15 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MC-123019-2-5-COMP-B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.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\BP010620\
Data File : BP001534.D
Acq On : 06 Jan 2020 17:39
Operator : JU
Sample : K6471-15 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : MC-123019-2-5-COMP-B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

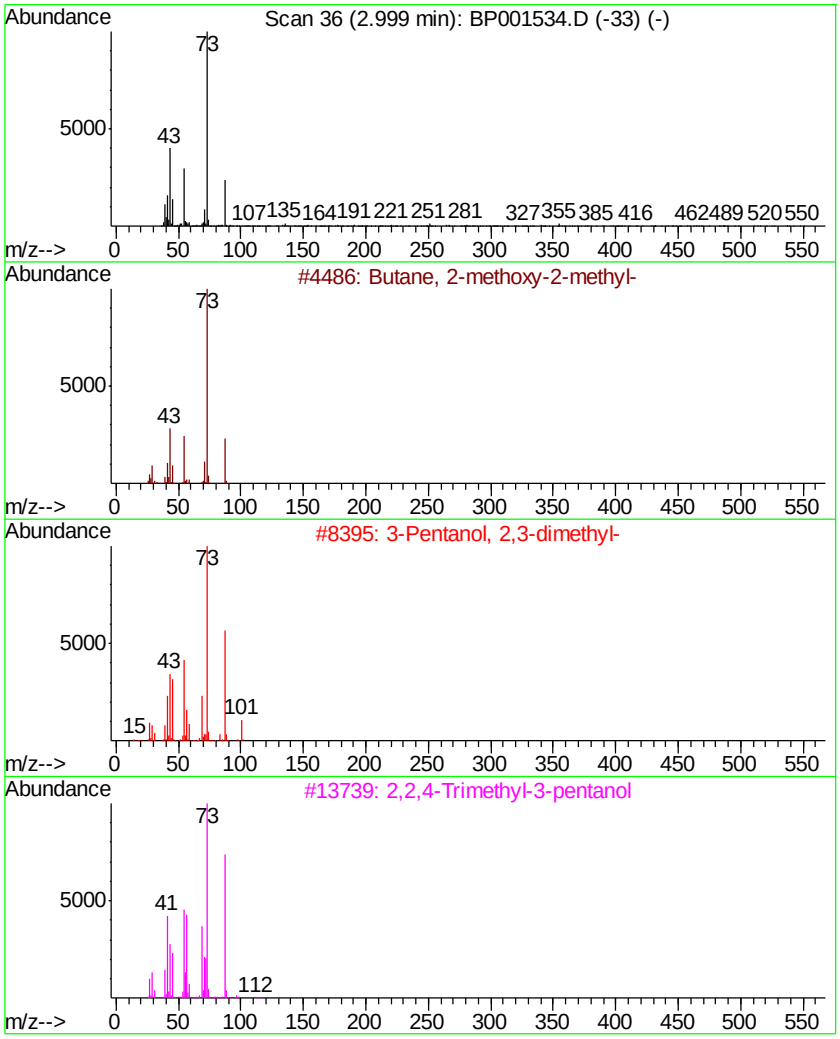
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

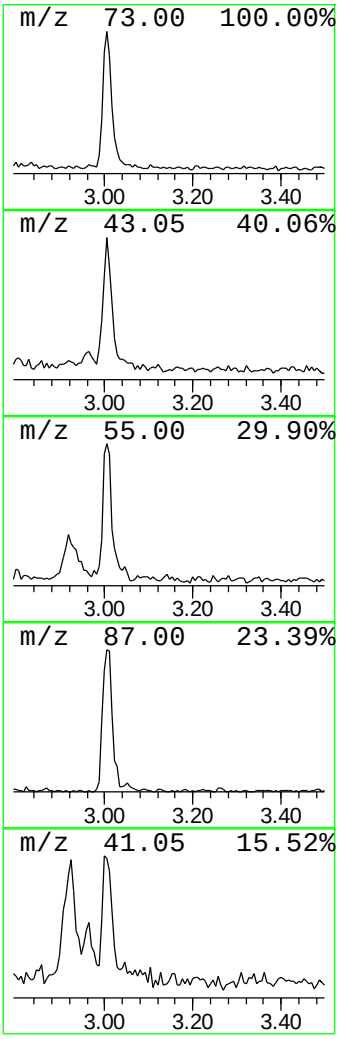
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.00	2.34 ng	41047	1,4-Dichlorobenzene-d4	7.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	59
2	3-Pentanol, 2,3-dimethyl-	116	C7H16O	000595-41-5	53
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	32
5	Butanoic acid, 2-hydroxy-2-methy...	132	C6H12O3	032793-34-3	32





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
Data File : BP001534.D
Acq On : 06 Jan 2020 17:39
Operator : JU
Sample : K6471-15 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : MC-123019-2-5-COMP-B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

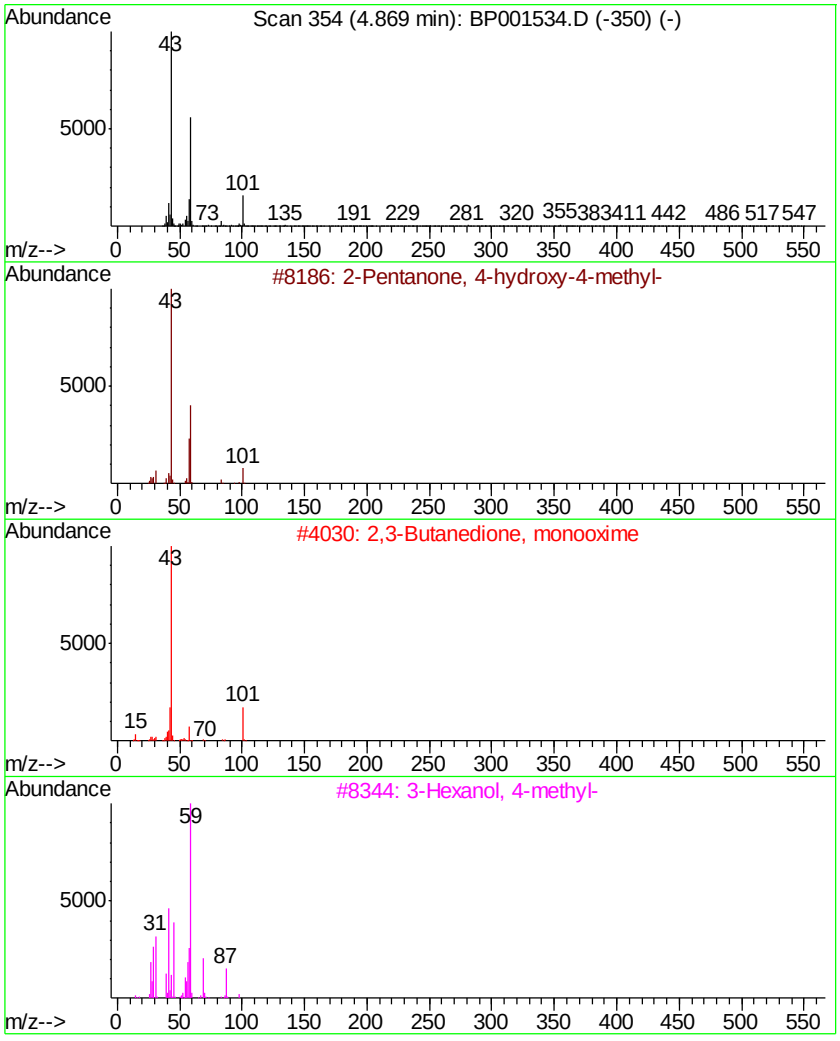
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

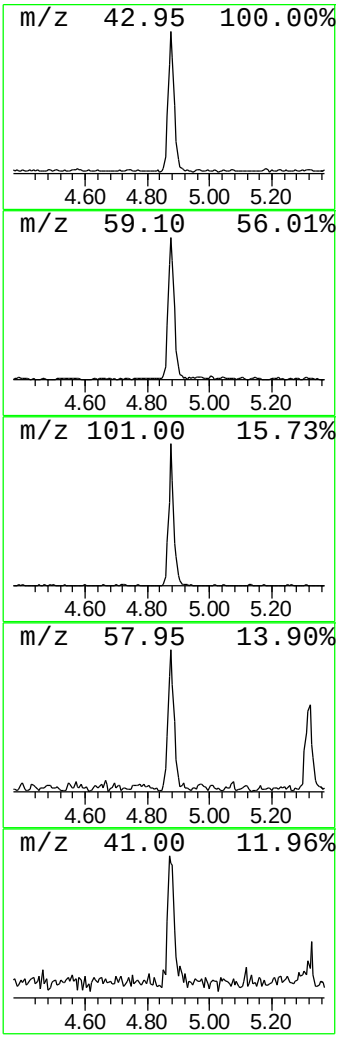
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.87	3.01 ng	52699	1,4-Dichlorobenzene-d4	7.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	38
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	23
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	12
5	Acetamide	59	C2H5NO	000060-35-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
Data File : BP001534.D
Acq On : 06 Jan 2020 17:39
Operator : JU
Sample : K6471-15 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : MC-123019-2-5-COMP-B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

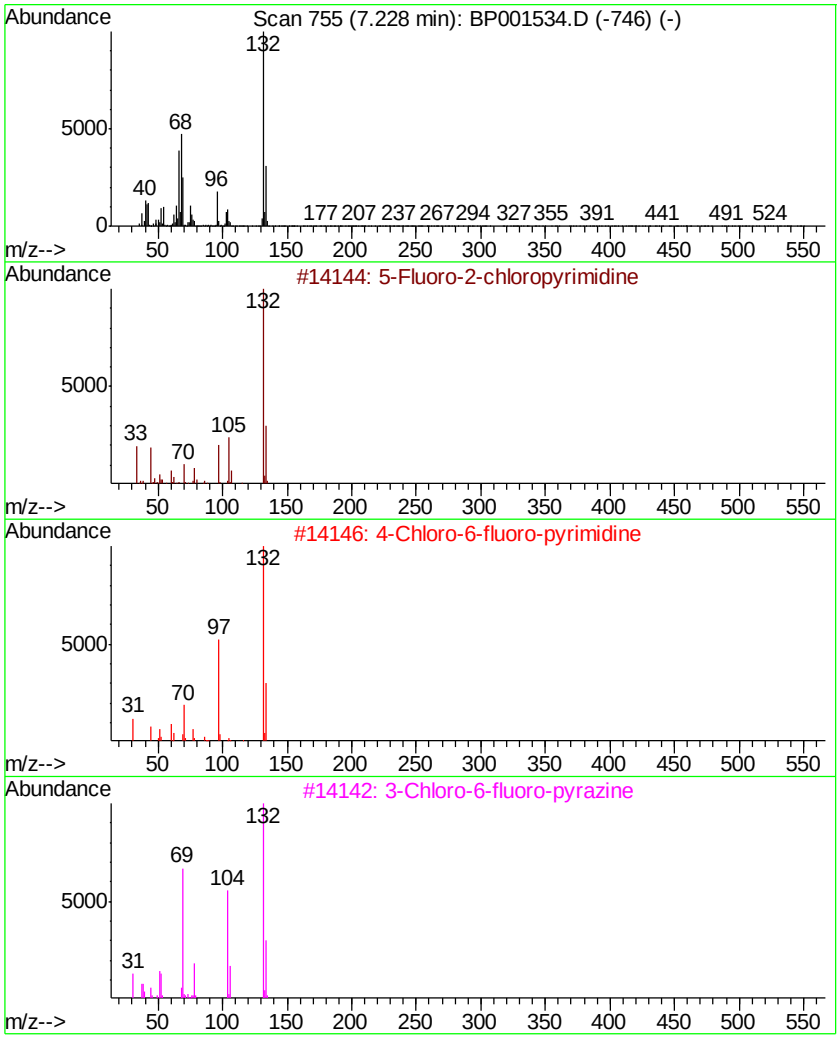
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

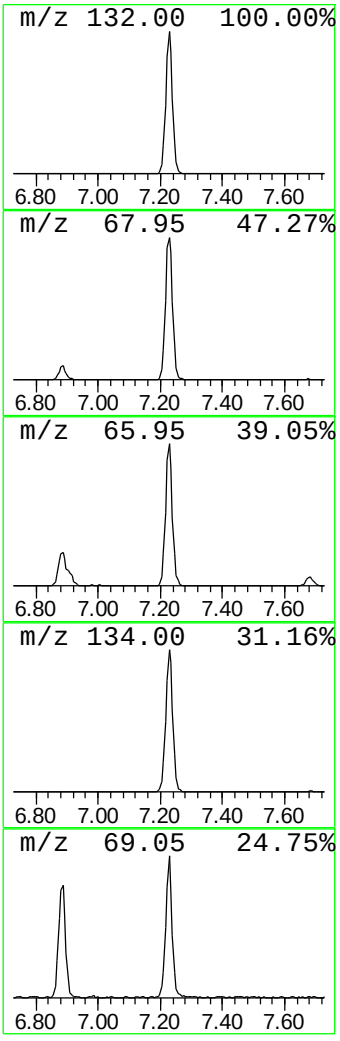
****

Peak Number 3 unknown7.23 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	16.65 ng	291562	1,4-Dichlorobenzene-d4	7.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	14
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	14
3	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	14
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	14
5	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
Data File : BP001534.D
Acq On : 06 Jan 2020 17:39
Operator : JU
Sample : K6471-15 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : MC-123019-2-5-COMP-B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

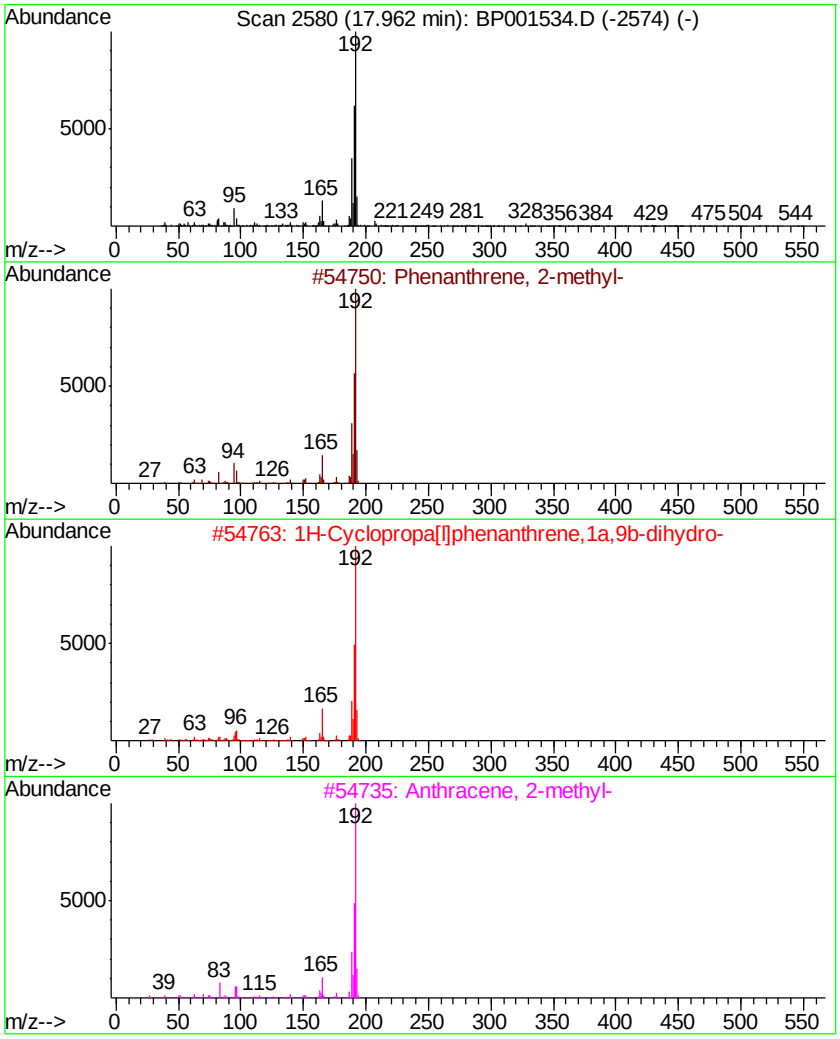
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

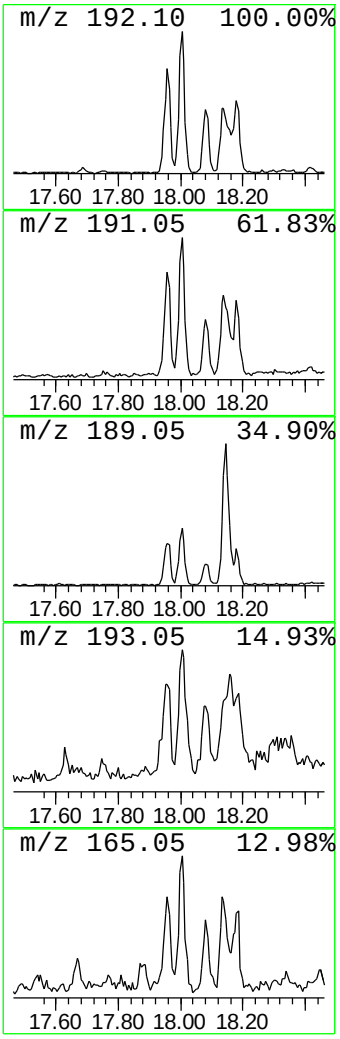
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	2.41 ng	89273	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
Data File : BP001534.D
Acq On : 06 Jan 2020 17:39
Operator : JU
Sample : K6471-15 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : MC-123019-2-5-COMP-B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

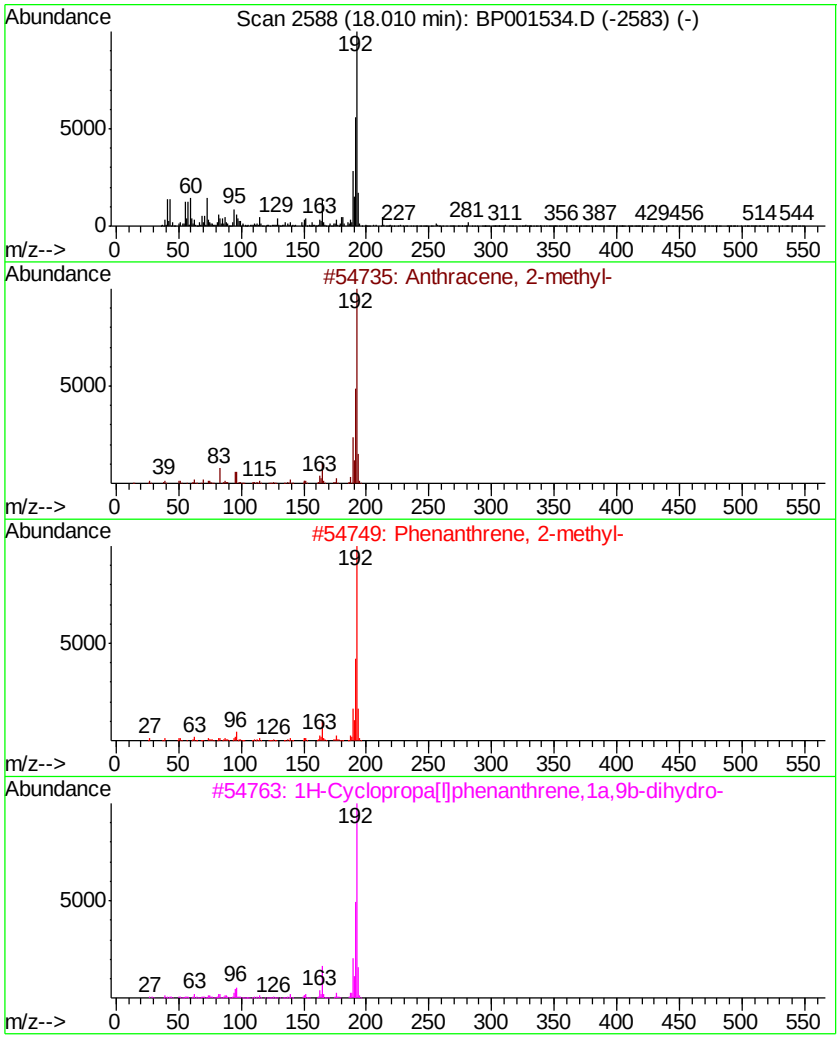
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

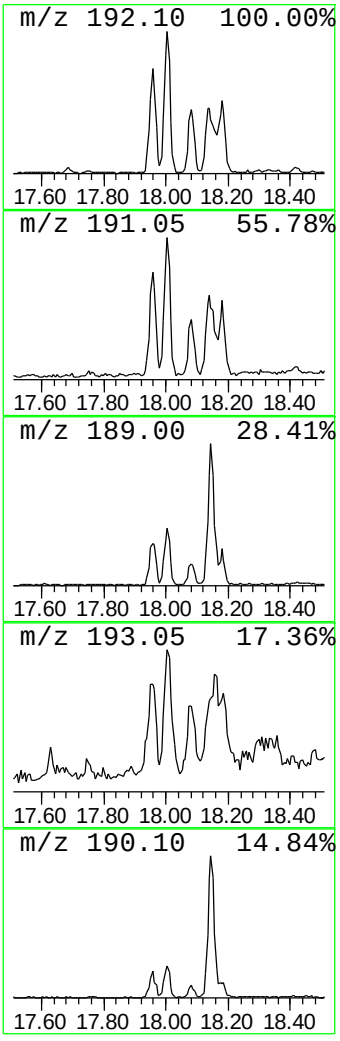
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	5.25 ng	194395	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
Data File : BP001534.D
Acq On : 06 Jan 2020 17:39
Operator : JU
Sample : K6471-15 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : MC-123019-2-5-COMP-B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

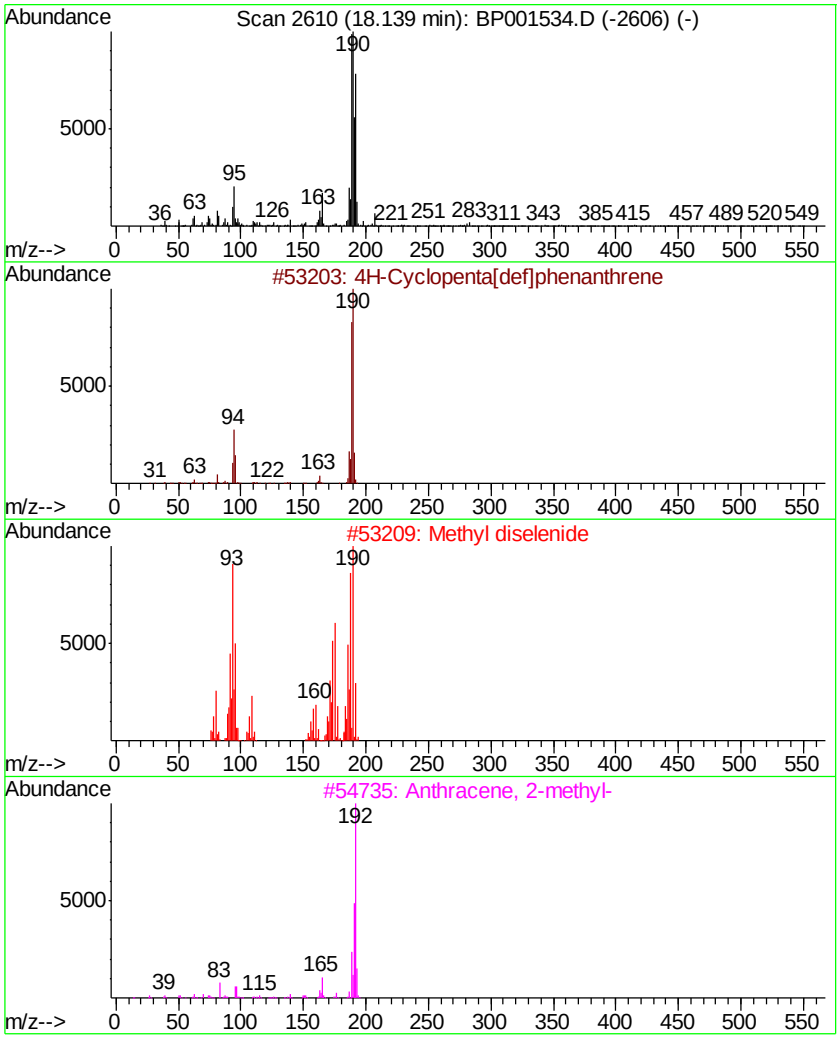
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

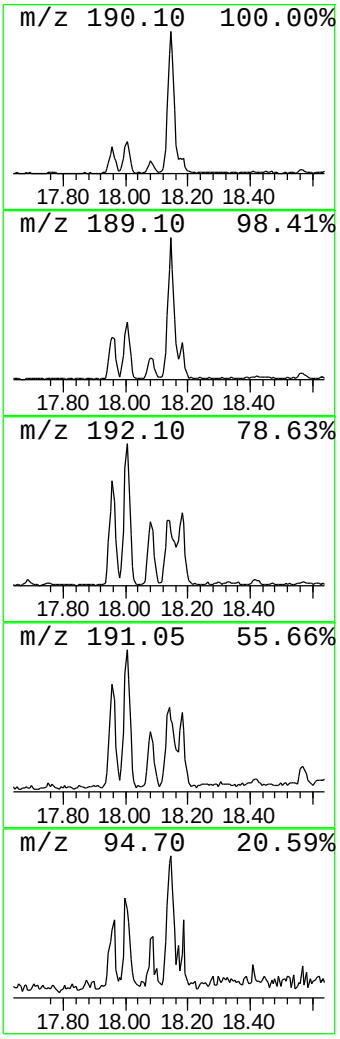
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	4.72 ng	174887	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Methyl diselenide	190	C2H6Se2	007101-31-7	41
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	35
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
Data File : BP001534.D
Acq On : 06 Jan 2020 17:39
Operator : JU
Sample : K6471-15 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : MC-123019-2-5-COMP-B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

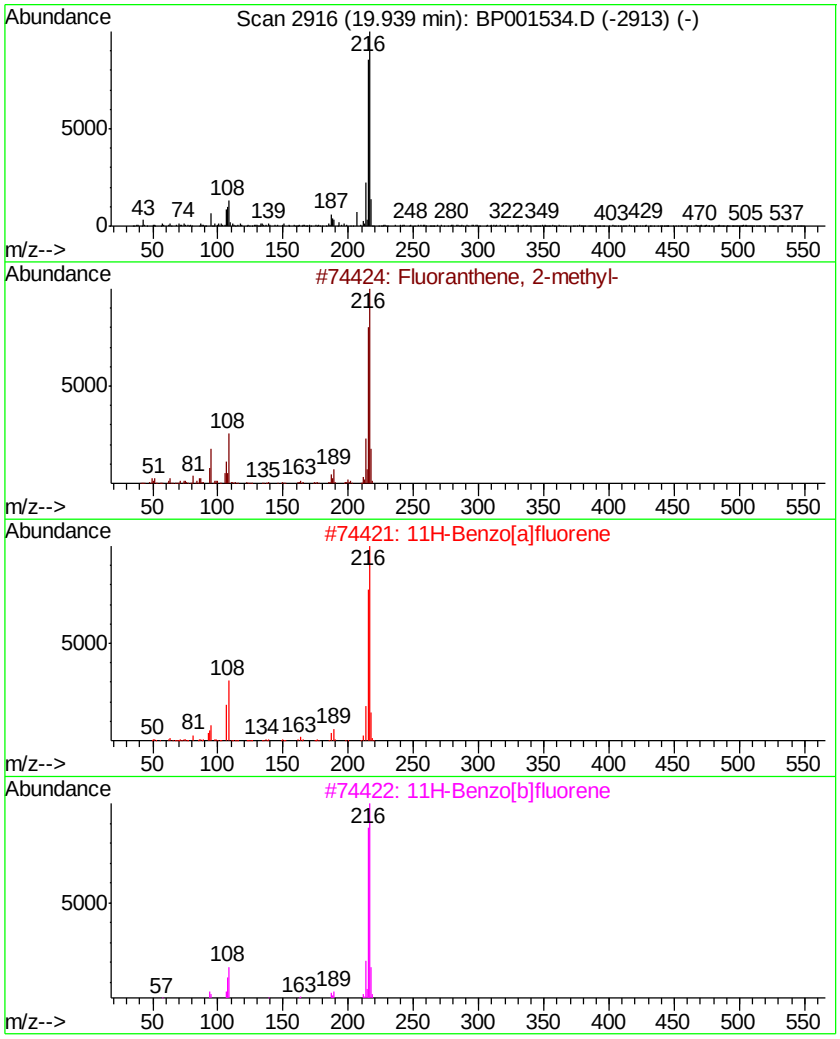
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

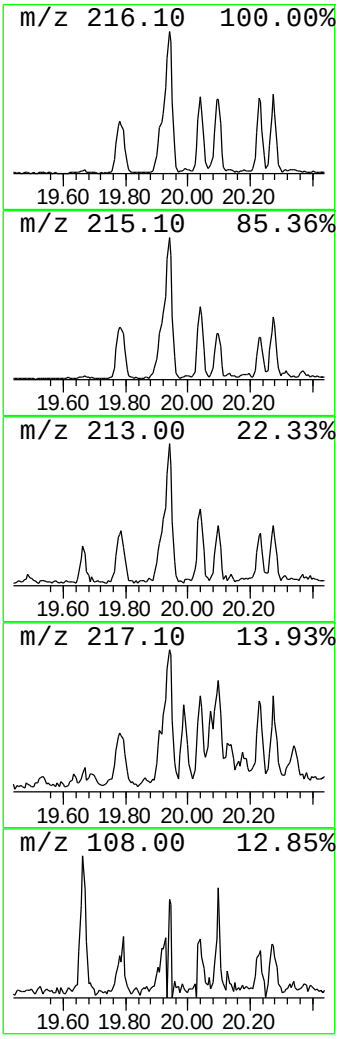
****

Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.82 ng	154616	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	72
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5	3-Trifluoromethylcinnamic acid	216	C10H7F3O2	000779-89-5	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP010620\
Data File : BP001534.D
Acq On : 06 Jan 2020 17:39
Operator : JU
Sample : K6471-15 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : MC-123019-2-5-COMP-B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.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
Butane, 2-methoxy...	3.00	2.3	ng	41047	1	7.68	350243	20.0
2-Pentanone, 4-hy...	4.87	3.0	ng	52699	1	7.68	350243	20.0
unknown7.23	7.23	16.6	ng	291562	1	7.68	350243	20.0
Phenanthrene, 2-m...	17.96	2.4	ng	89273	4	17.08	741044	20.0
Anthracene, 2-met...	18.01	5.3	ng	194395	4	17.08	741044	20.0
4H-Cyclopenta[def...	18.14	4.7	ng	174887	4	17.08	741044	20.0
Fluoranthene, 2-m...	19.94	2.8	ng	154616	5	21.18	1096350	20.0