LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000217.D
Acq On : 12 Sep 2019 14:51
Operator : HP/JU
Sample : K4634-15DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D33DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM-EPA-BP090519MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.164	7	13	25	rVV	3723715	4933570	62.31%	6.994%
2	2.281	29	33	38	rVV	30632	39930	0.50%	0.057%
3	3.775	282	287	294	rBV	32246	48178	0.61%	0.068%
4	3.969	316	320	323	rVV	22564	32792	0.41%	0.046%
5	3.999	323	325	333	rVB	23091	29197	0.37%	0.041%
6	4.752	448	453	456	rBV	14477	14752	0.19%	0.021%
7	5.087	506	510	517	rBV	21902	23094	0.29%	0.033%
8	6.511	748	752	759	rVV2	290469	310728	3.92%	0.441%
9	6.569	759	762	774	rVV	280124	223872	2.83%	0.317%
10	6.658	774	777	781	rVV	362782	285882	3.61%	0.405%
11	6.716	784	787	793	rBV	14741	15277	0.19%	0.022%
12	6.893	814	817	821	rBV	3338333	2655822	33.54%	3.765%
13	7.258	876	879	883	rBV	402461	306730	3.87%	0.435%
14	7.293	883	885	891	rVB	33500	27439	0.35%	0.039%
15	7.446	908	911	915	rBV	310841	230500	2.91%	0.327%
16	7.775	963	967	970	rBV	224167	170876	2.16%	0.242%
17	8.016	1005	1008	1017	rBV	400295	318596	4.02%	0.452%
18	8.181	1032	1036	1039	rBV	4249394	3488795	44.06%	4.946%
19	8.234	1042	1045	1061	rVB	159023	160351	2.03%	0.227%
20	9.381	1238	1240	1243	rVB2	16308	14989	0.19%	0.021%
21	9.628	1279	1282	1285	rVV	500857	437040	5.52%	0.620%
22	9.652	1285	1286	1293	rVB	126236	101504	1.28%	0.144%
23	9.793	1306	1310	1320	rBV	646017	592422	7.48%	0.840%
24	9.951	1333	1337	1340	rBV	4429604	4101312	51.80%	5.815%
25	9.981	1340	1342	1345	rVV	102702	86054	1.09%	0.122%
26	10.040	1348	1352	1361	rVB	80042	126011	1.59%	0.179%
27	10.151	1368	1371	1376	rVB	50117	50048	0.63%	0.071%
28	10.469	1422	1425	1428	rBV	817829	667388	8.43%	0.946%
29	10.499	1428	1430	1433	rVB	62008	51578	0.65%	0.073%
30	10.540	1434	1437	1440	rBV4	33863	42356	0.53%	0.060%
31	10.663	1455	1458	1460	rBV2	18458	16547	0.21%	0.023%
32	10.740	1469	1471	1476	rBV3	14703	24435	0.31%	0.035%
33	10.869	1491	1493	1495	rBV3	28198	25570	0.32%	0.036%
34	11.251	1555	1558	1563	rBV	88479	84569	1.07%	0.120%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000217.D
Acq On : 12 Sep 2019 14:51
Operator : HP/JU
Sample : K4634-15DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D33DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM-EPA-BP090519MA.M
Title : SVOA CALIBRATION

35	11.346	1572	1574	1580	rVB	81962	76123	0.96%	0.108%
36	11.457	1588	1593	1595	rBV	4146578	4306935	54.39%	6.106%
37	11.475	1595	1596	1599	rVB	1306266	1007057	12.72%	1.428%
38	11.510	1599	1602	1604	rBV	698860	589932	7.45%	0.836%
39	11.563	1609	1611	1615	rVB2	36201	32954	0.42%	0.047%
40	11.687	1627	1632	1635	rBV2	192530	226369	2.86%	0.321%
41	11.757	1641	1644	1647	rVB2	27699	26984	0.34%	0.038%
42	11.793	1647	1650	1653	rVB	74969	69542	0.88%	0.099%
43	11.875	1661	1664	1668	rVB	56637	66410	0.84%	0.094%
44	11.916	1669	1671	1674	rBV3	18803	19341	0.24%	0.027%
45	11.963	1676	1679	1682	rVV	334367	329626	4.16%	0.467%
46	11.993	1682	1684	1688	rVV	550204	479991	6.06%	0.680%
47	12.040	1689	1692	1695	rVV2	76892	75490	0.95%	0.107%
48	12.081	1695	1699	1701	rVV2	263390	319474	4.03%	0.453%
49	12.098	1701	1702	1706	rVB	171853	141005	1.78%	0.200%
50	12.175	1712	1715	1717	rBV2	34469	34671	0.44%	0.049%
51	12.204	1718	1720	1722	rVB2	37589	28608	0.36%	0.041%
52	12.263	1727	1730	1732	rBV	144370	141202	1.78%	0.200%
53	12.293	1732	1735	1741	rVB2	217791	262660	3.32%	0.372%
54	12.345	1741	1744	1746	rBV	25125	21945	0.28%	0.031%
55	12.422	1751	1757	1759	rBV2	130376	148030	1.87%	0.210%
56	12.451	1759	1762	1764	rBV	170435	149249	1.88%	0.212%
57	12.475	1764	1766	1770	rVB	145270	137466	1.74%	0.195%
58	12.528	1771	1775	1778	rBV	232541	290175	3.66%	0.411%
59	12.563	1778	1781	1783	rVB2	63476	69699	0.88%	0.099%
60	12.587	1783	1785	1787	rVB	70265	50519	0.64%	0.072%
61	12.616	1787	1790	1794	rVB	313651	330499	4.17%	0.469%
62	12.651	1794	1796	1799	rBV	32790	37036	0.47%	0.053%
63	12.693	1799	1803	1808	rVB	4407904	4416762	55.78%	6.262%
64	12.740	1808	1811	1813	rBV	89749	116361	1.47%	0.165%
65	12.845	1824	1829	1833	rVB	149289	202955	2.56%	0.288%
66	12.928	1836	1843	1849	rBV	4192719	5447021	68.79%	7.722%
67	12.981	1849	1852	1857	rVB2	189724	288047	3.64%	0.408%
68	13.045	1859	1863	1866	rBV	209411	267292	3.38%	0.379%
69	13.087	1867	1870	1875	rVB	193560	260341	3.29%	0.369%
70	13.151	1875	1881	1884	rBV2	297125	512527	6.47%	0.727%
71	13.210	1888	1891	1893	rBV	52696	50227	0.63%	0.071%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000217.D
Acq On : 12 Sep 2019 14:51
Operator : HP/JU
Sample : K4634-15DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D33DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM-EPA-BP090519MA.M
Title : SVOA CALIBRATION

72	13.245	1893	1897	1898	rBV4	240918	329830	4.17%	0.468%
73	13.310	1904	1908	1909	rBV3	56794	74225	0.94%	0.105%
74	13.334	1909	1912	1914	rVV	95522	110819	1.40%	0.157%
75	13.369	1914	1918	1926	rVV2	809680	1093212	13.81%	1.550%
76	13.428	1926	1928	1931	rVB	55997	49132	0.62%	0.070%
77	13.463	1931	1934	1937	rBV	356024	387488	4.89%	0.549%
78	13.498	1937	1940	1944	rVB	293869	303932	3.84%	0.431%
79	13.657	1964	1967	1969	rBV3	76527	102884	1.30%	0.146%
80	13.728	1977	1979	1983	rVB4	73252	68302	0.86%	0.097%
81	13.792	1985	1990	1995	rVB	622882	836083	10.56%	1.185%
82	13.851	1997	2000	2003	rVB	124913	123525	1.56%	0.175%
83	13.898	2003	2008	2011	rBV2	727709	1050654	13.27%	1.490%
84	13.928	2011	2013	2015	rVB	249723	211339	2.67%	0.300%
85	13.969	2015	2020	2023	rBV2	150108	293297	3.70%	0.416%
86	14.010	2023	2027	2034	rVB	390126	633277	8.00%	0.898%
87	14.075	2035	2038	2041	rBV	104782	126246	1.59%	0.179%
88	14.163	2045	2053	2056	rBV2	4180577	7918002	100.00%	11.226%
89	14.251	2065	2068	2074	rVB2	168204	247324	3.12%	0.351%
90	14.334	2078	2082	2085	rBV3	160575	259670	3.28%	0.368%
91	14.498	2107	2110	2111	rBV3	73399	76766	0.97%	0.109%
92	14.528	2112	2115	2116	rVV2	122553	127365	1.61%	0.181%
93	14.563	2117	2121	2125	rVV	729158	1138660	14.38%	1.614%
94	14.598	2125	2127	2131	rVB	306272	358425	4.53%	0.508%
95	14.981	2190	2192	2195	rBV2	106078	160323	2.02%	0.227%
96	15.281	2235	2243	2254	rBV	1674380	4698236	59.34%	6.661%
97	15.387	2257	2261	2268	rVB	257423	439759	5.55%	0.623%
98	15.598	2292	2297	2303	rBV	774326	1903632	24.04%	2.699%
99	15.669	2305	2309	2315	rVV	869425	1841244	23.25%	2.610%
100	15.739	2315	2321	2342	rVB3	1518475	4802755	60.66%	6.809%

Sum of corrected areas: 70535135

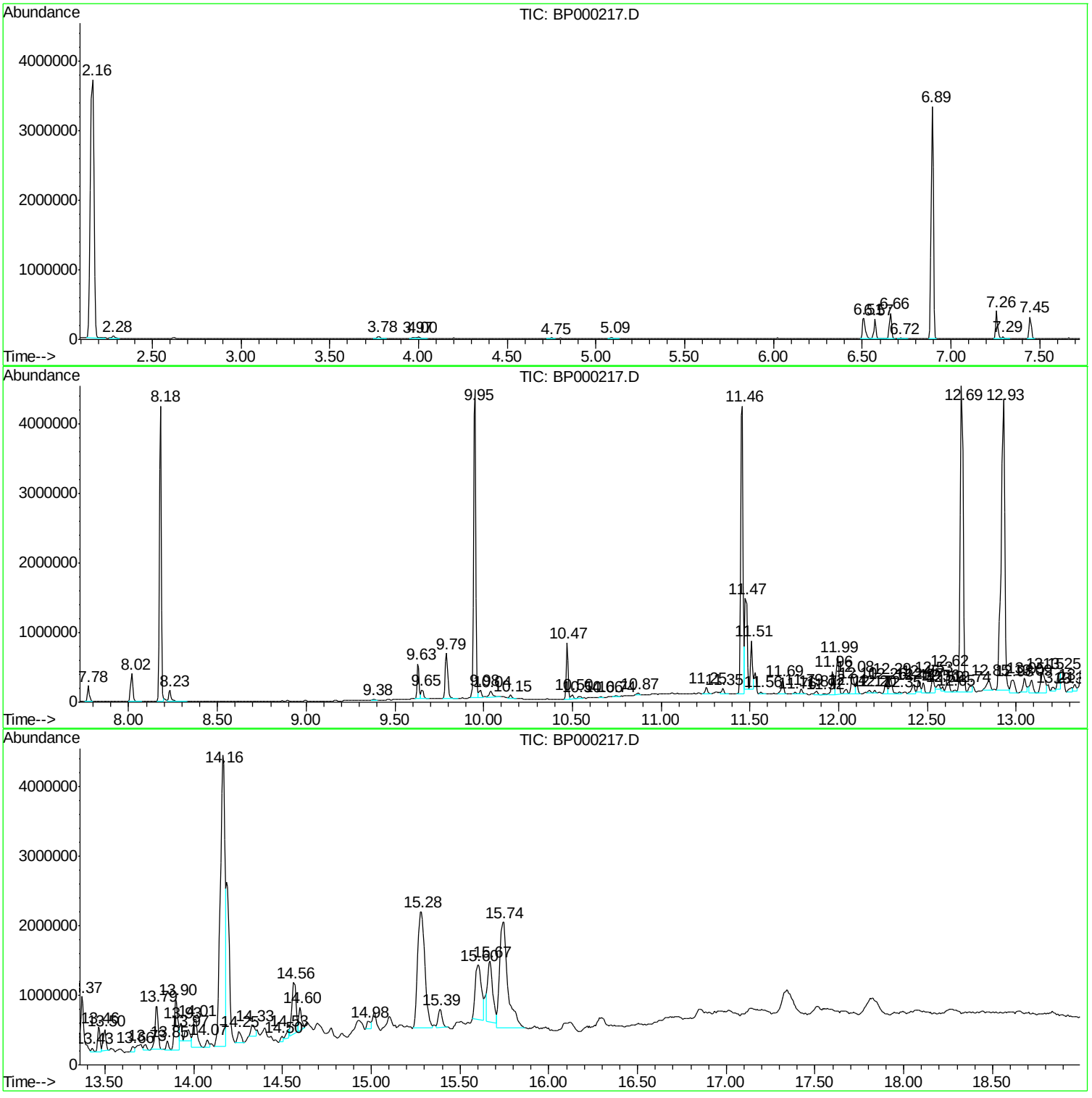
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000217.D
Acq On : 12 Sep 2019 14:51
Operator : HP/JU
Sample : K4634-15DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D33DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000217.D
Acq On : 12 Sep 2019 14:51
Operator : HP/JU
Sample : K4634-15DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D33DL

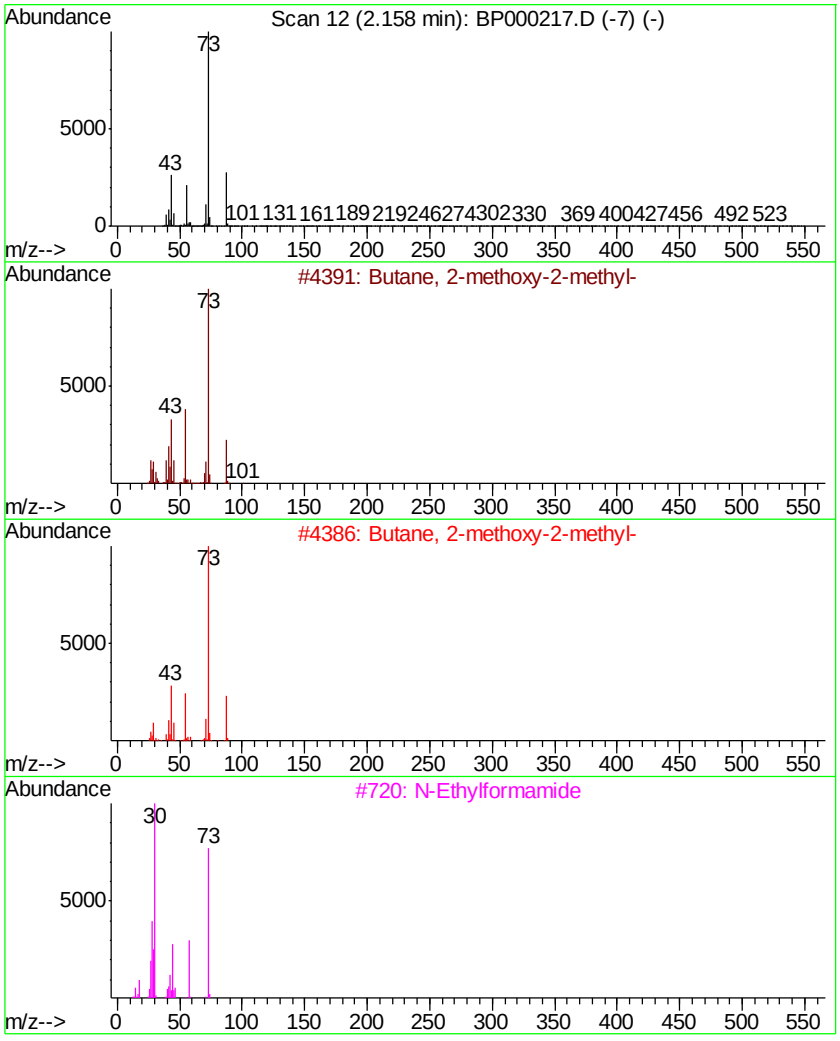
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

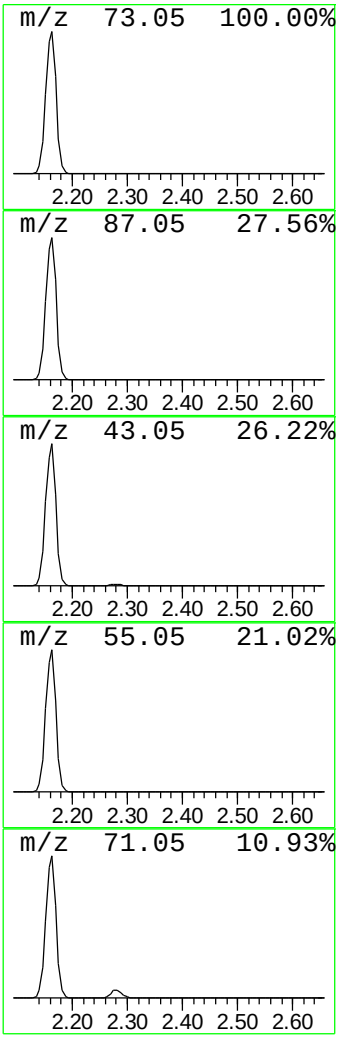
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	37.15 ng/ul	4933570	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
5	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000217.D
Acq On : 12 Sep 2019 14:51
Operator : HP/JU
Sample : K4634-15DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D33DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

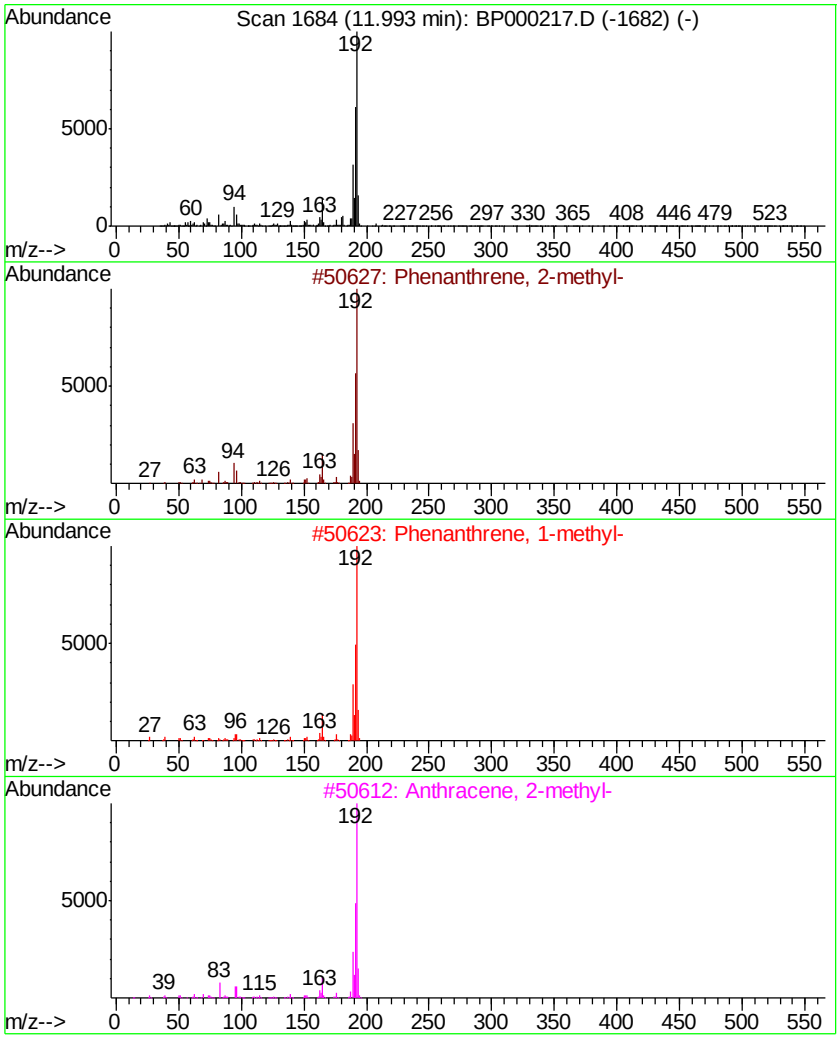
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

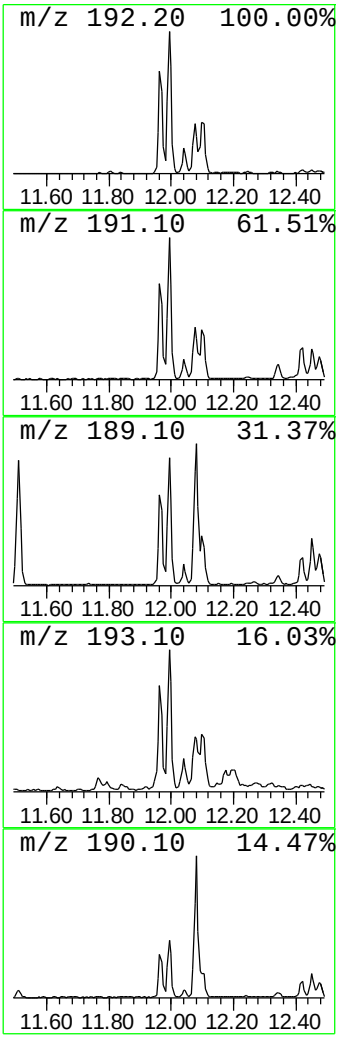
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	2.23 ng/ul	479991	Phenanthrene-d10	11.46

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000217.D
Acq On : 12 Sep 2019 14:51
Operator : HP/JU
Sample : K4634-15DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D33DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

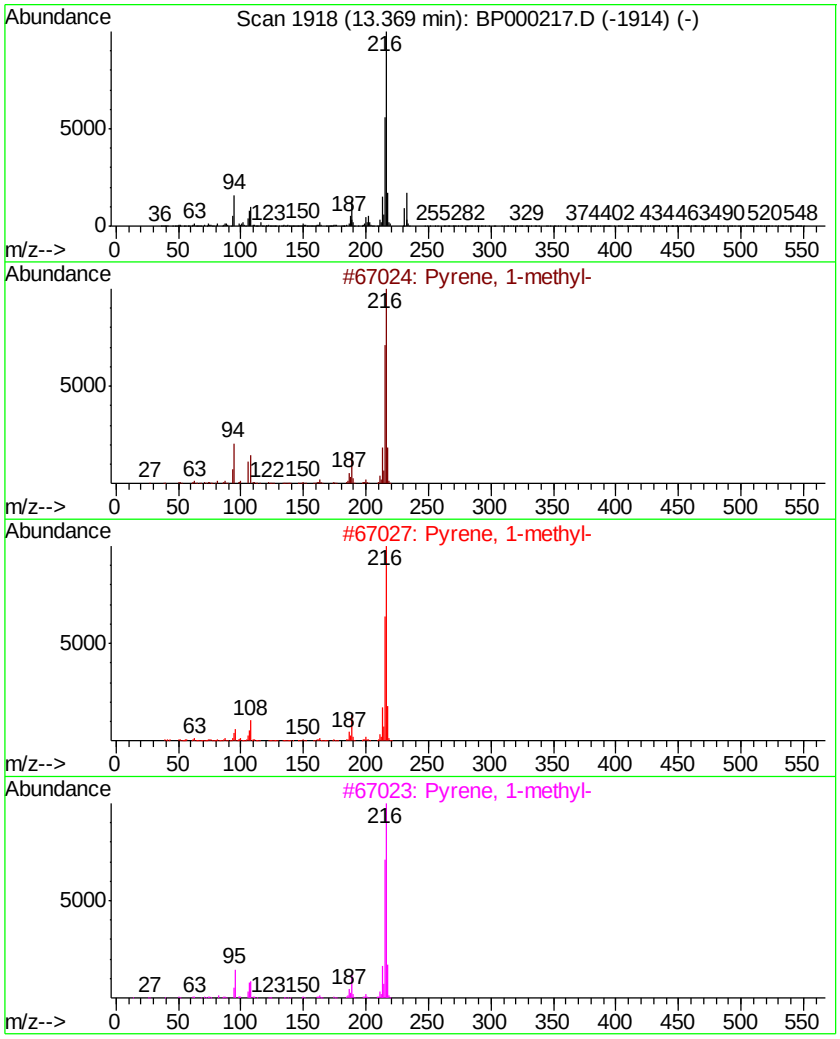
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

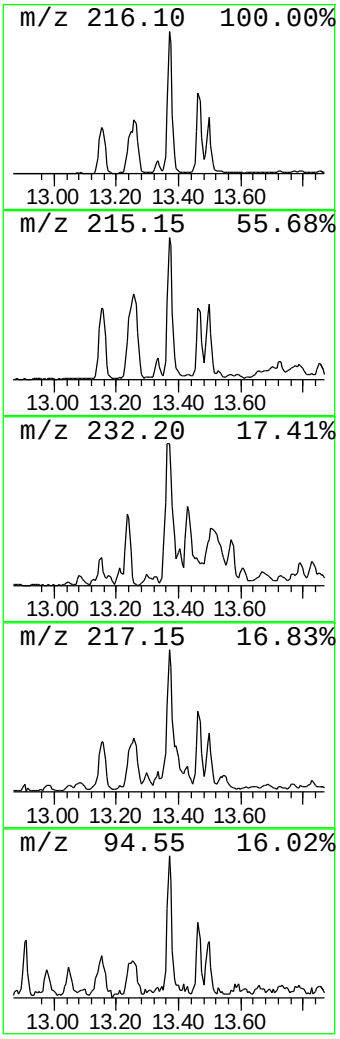
****

Peak Number 3 Pyrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	2.76 ng/ul	1093210	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000217.D
Acq On : 12 Sep 2019 14:51
Operator : HP/JU
Sample : K4634-15DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D33DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

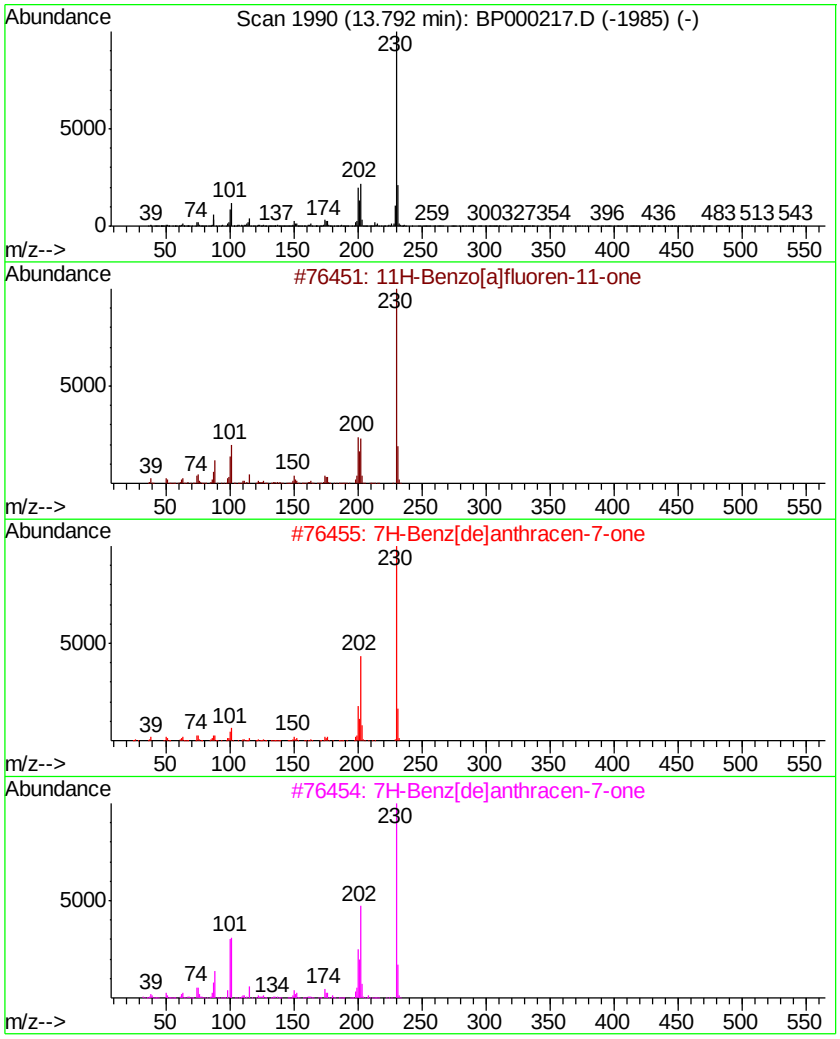
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

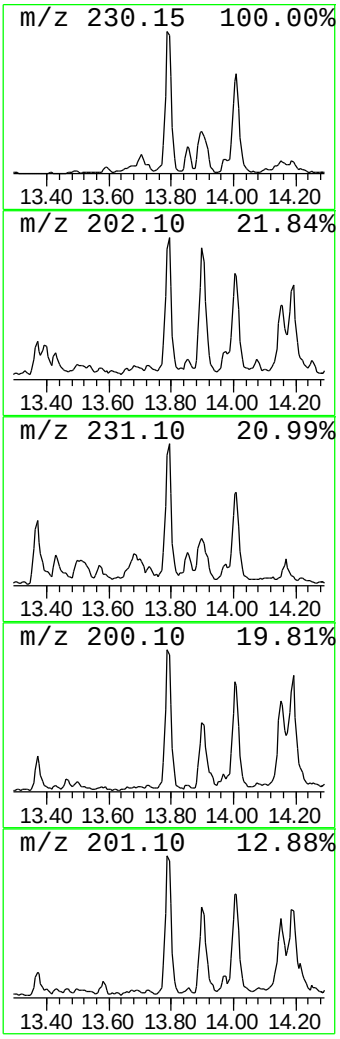
****

Peak Number 4 11H-Benzo[a]fluoren-11-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	2.11 ng/ul	836083	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
5	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000217.D
Acq On : 12 Sep 2019 14:51
Operator : HP/JU
Sample : K4634-15DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D33DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

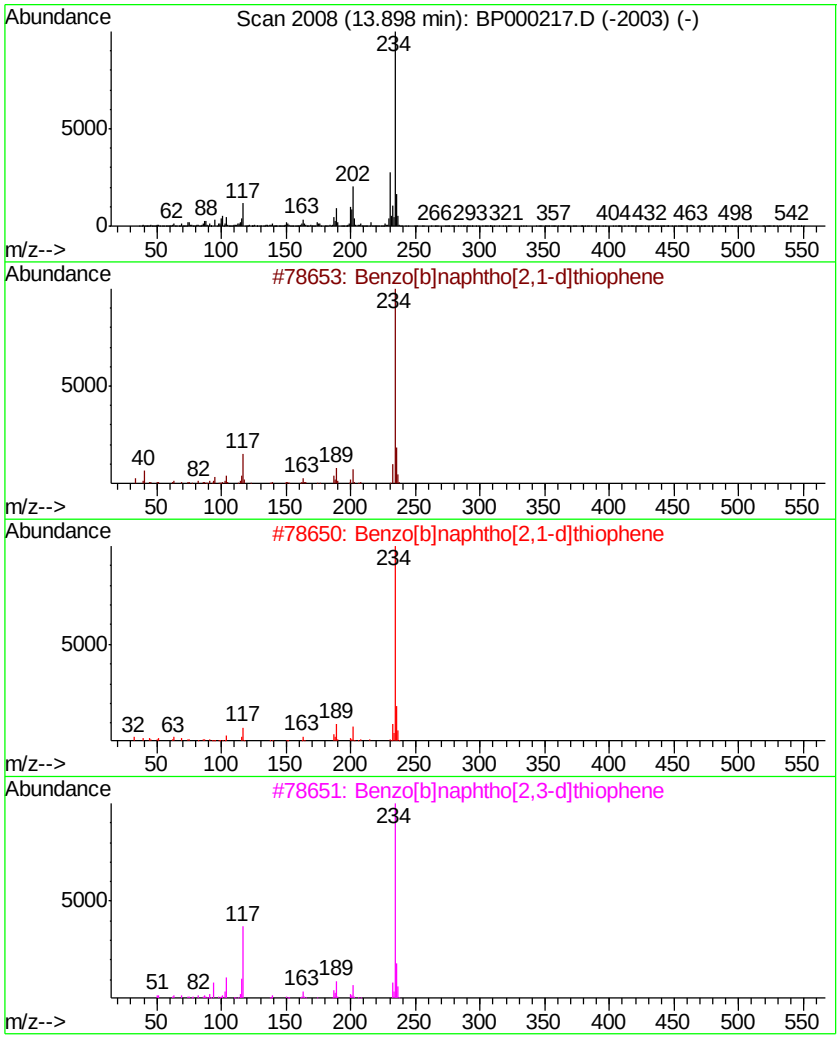
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

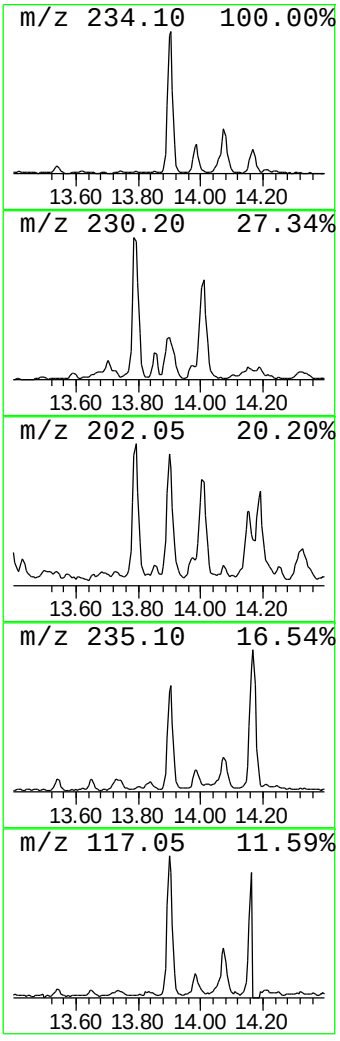
****

Peak Number 5 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	2.65 ng/ul	1050650	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	89
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	58
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	58
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000217.D
Acq On : 12 Sep 2019 14:51
Operator : HP/JU
Sample : K4634-15DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D33DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

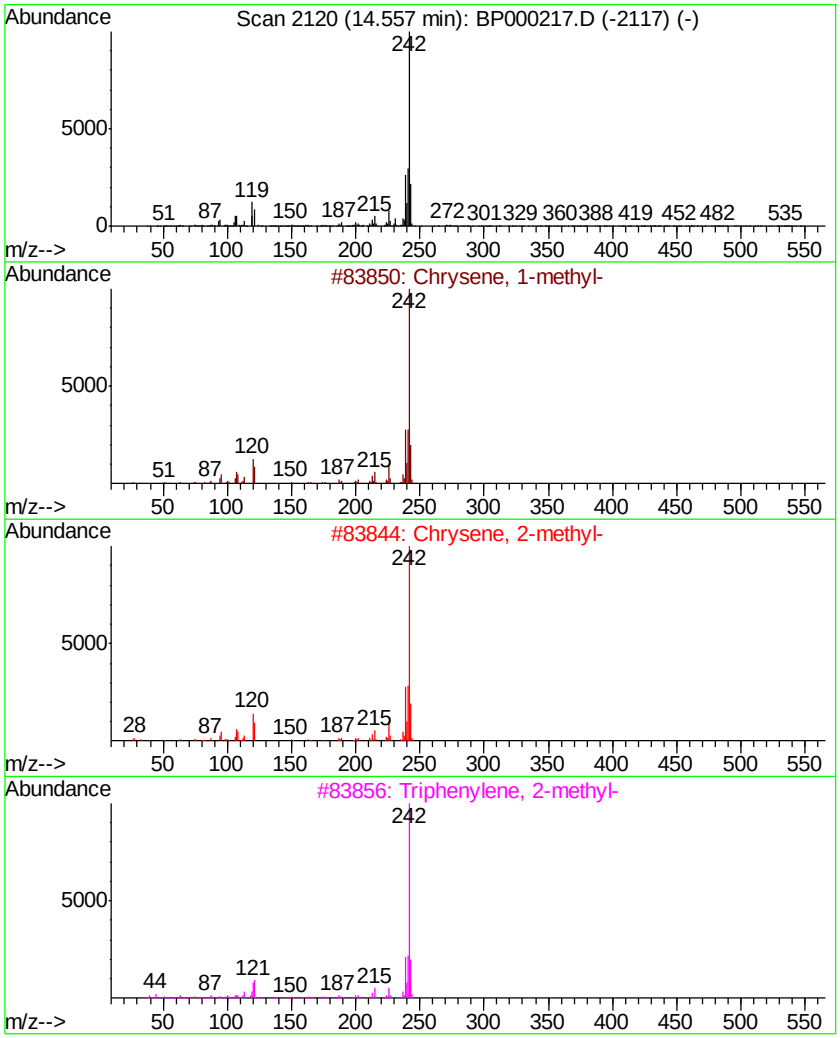
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

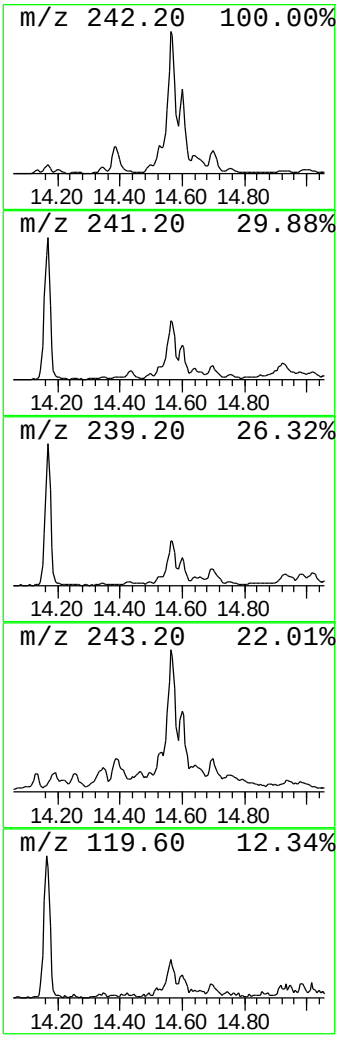
****

Peak Number 6 Chrysene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	2.88 ng/ul	1138660	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	98
2	Chrysene, 2-methyl-	242	C19H14	003351-32-4	98
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
4	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	95
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
Data File : BP000217.D
Acq On : 12 Sep 2019 14:51
Operator : HP/JU
Sample : K4634-15DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D33DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.16	37.1	ng/ul	4933570	1	6.89	2655820	20.0
Phenanthrene, 2-m...	11.99	2.2	ng/ul	479991	4	11.46	4306940	20.0
Pyrene, 1-methyl-	13.37	2.8	ng/ul	1093210	5	14.17	7918000	20.0
11H-Benzo[a]fluor...	13.79	2.1	ng/ul	836083	5	14.17	7918000	20.0
Benzo[b]naphtho[2...	13.90	2.6	ng/ul	1050650	5	14.17	7918000	20.0
Chrysene, 1-methyl-	14.56	2.9	ng/ul	1138660	5	14.17	7918000	20.0